AASP African American Studies Fall 2012

AASP100 **Introduction to African American Studies**

AASP100 Introduction to African American Studies; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - History and Social Sciences; Diversity - Understanding Plural Societies.
Significant aspects of the history of African Americans with particular emphasis on the evolution and development of black communities from slavery to the present. Interdisciplinary introduction to social, political, legal and economic roots of contemporary problems faced by blacks in the United States with applications to the lives of other racial and ethnic minorities in the Americas and in other societies.

0101	Shane Walsh MWF 10:00am - 10:50am	Seats (Total: 35) WDS 1114
0201	Shane Walsh MWF 12:00pm - 12:50pm	Seats (Total: 35) TYD 2109
0301	Jonathan England TuTh 9:30am - 10:45am	Seats (Total: 35) ARM 0110
0401	Jonathan England TuTh 12:30pm - 1:45pm	Seats (Total: 30) TYD 1101
0501	Jason Nichols TuTh 11:00am - 12:15pm	Seats (Total: 35) MMH 0108
0601	Jason Nichols TuTh 2:00pm - 3:15pm	Seats (Total: 35) TYD 2106

AASP100H **Introduction to African American Studies**

AASP100H Introduction to African American Studies; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - History and Social Sciences; Diversity - Understanding Plural Societies.
Significant aspects of the history of African Americans with particular emphasis on the evolution and development of black communities from slavery to the present. Interdisciplinary introduction to social, political, legal and economic roots of contemporary problems faced by blacks in the United States with applications to the lives of other racial and ethnic minorities in the Americas and in other societies.

0101	Jonathan England	Seats (Total: 5)
	TuTh 12:30pm - 1:45pm	TYD 1101

AASP101 **Public Policy and the Black Community**

AASP101 Public Policy and the Black Community; (3 credits) Grade Method: REG/P-F. CORE Behavioral and Social Science (SB) Course. GenEd: Distributive Studies - History and Social Sciences.
Formerly: AASP300. The impact of public policies on the black community and the role of the policy process in affecting the social, economic and political well-being of minorities. Particular attention given to the post-1960 to present era.

0101	Gniesha Dinwiddie	Seats (Total: 36)
	TuTh 2:00pm - 3:15pm	WDS 0104

AASP189I **HIV/AIDS in a Global Perspective**

AASP189I HIV/AIDS in a Global Perspective; (3 credits) Grade Method: REG/P-F/AUD. CORE Interdisciplinary & Emerging Issues (IE) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - Scholarship in Practice; Diversity - Understanding Plural Societies; Signature Courses - I-Series.

0101	Sangeetha Madhavan	Seats (Total: 50)
	TuTh 9:30am - 10:45am	TYD 2106

AASP200 **African Civilization**

AASP200 African Civilization; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course. GenEd: Distributive Studies - Humanities.
A survey of African civilizations from 4500 B.C. to present. Analysis of traditional social systems. Discussion of the impact of European colonization on these civilizations. Analysis of the influence of traditional African social systems on modern African institutions as well as discussion of contemporary processes of Africanization.

0101	Ibrahim Kargbo Th 4:00pm - 6:30pm	Seats (Total: 45) TYD 2111

AASP202 **Black Culture in the United States**

AASP202 Black Culture in the United States; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - History and Social Sciences; Diversity - Understanding Plural Societies.
The course examines important aspects of African American life and thought which are reflected in African American literature, drama, music and art. Beginning with the cultural heritage of slavery, the course surveys the changing modes of black creative expression from the 19th-century to the present.

0101	Dennis Doster MW 2:00pm - 3:15pm	Seats (Total: 35) SYM 0215
0102	Dennis Doster MW 11:00am - 12:15pm	Seats (Total: 35) ARM 0117
0103	Robert Choflet TuTh 11:00am - 12:15pm	Seats (Total: 35) TYD 1108
0104	Robert Choflet TuTh 2:00pm - 3:15pm	Seats (Total: 35) LEF 1201

AASP202H **Black Culture in the United States**

AASP202H Black Culture in the United States; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - History and Social Sciences; Diversity - Understanding Plural Societies.
The course examines important aspects of African American life and thought which are reflected in African American literature, drama, music and art. Beginning with the cultural heritage of slavery, the course surveys the changing modes of black creative expression from the 19th-century to the present.

0101	Robert Choflet	Seats (Total: 5)	
	TuTh 11:00am - 12:15pm	TYD 1108	

AASP297 **Research Methods in African American Studies**

AASP297 Research Methods in African American Studies; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: AASP101 or AASP202. Restriction: Must be in African American Studies program. Credit only granted for: AASP297 or AASP299R. Formerly: AASP299R.
Introduces African American Studies majors to the basic research skills, methodologies, sources, and repositories for studying African Diaspora. Students will be required to select a research topic, write a research proposal, develop an annotated bibliography, and in the process will be prepared for completing their senior thesis or other significant writing projects necessary to fulfill the requirements of the major.

0101	Sharon Harley	Seats (Total: 10)	
	Tu 2:00pm - 4:30pm	EGR 3111	

AASP298A **Special Topics in African American Studies; African Civilization to 1800**

AASP298A Special Topics in African American Studies: African Civilization to 1800; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - History and Social Sciences; Diversity - Understanding Plural Societies.
Also offered as HIST122.

0101	Hilary Jones	Seats (Total: 20)	
	MW 12:00pm - 12:50pm	TYD 2106	
	M 2:00pm - 2:50pm	KEY 0117	Discussion

0102	Hilary Jones MW 12:00pm - 12:50pm W 1:00pm - 1:50pm	Seats (Total: 20) TYD 2106 KEY 0117	Discussion
0103	Hilary Jones MW 12:00pm - 12:50pm Th 12:30pm - 1:20pm	Seats (Total: 20) TYD 2106 KEY 0117	Discussion
0104	Hilary Jones MW 12:00pm - 12:50pm Th 9:30am - 10:20am	Seats (Total: 20) TYD 2106 KEY 0117	Discussion

AASP298I **Special Topics in African American Studies; Introduction to Black Women's Studies**

AASP298I Special Topics in African American Studies: Introduction to Black Women's Studies; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as AASP298I. Credit will be granted for only one of the following: WMST298A, AASP298I, or AASP298S. Interdisciplinary exploration of Black women, culture and society in the United States. Drawn primarily from the social sciences and history with complementary material from literature and the arts.

0101	Augusta Bolles MW 2:00pm - 3:15pm	Seats (Total: 30) HJP 1125	

AASP298L **Special Topics in Afro-American Studies: Introduction to African-American Literature**

AASP298L Special Topics in Afro-American Studies: Introduction to African-American Literature; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - Humanities; Diversity - Understanding Plural Societies.
Also offered as ENGL234. Credit will be granted for one of the following: AASP298L or ENGL234.

0101	Zita Nunes MW 1:00pm - 1:50pm F 1:00pm - 1:50pm	Seats (Total: 20) EGR 1202 ASY 3207	Discussion
0102	Zita Nunes MW 1:00pm - 1:50pm F 12:00pm - 12:50pm	Seats (Total: 20) EGR 1202 EDU 2102	Discussion

0103	Zita Nunes MW 1:00pm - 1:50pm F 1:00pm - 1:50pm	Seats (Total: 20) EGR 1202 EDU 0206	Discussion
0104	Zita Nunes MW 1:00pm - 1:50pm F 11:00am - 11:50am	Seats (Total: 20) EGR 1202 EDU 1107	Discussion
0105	Zita Nunes MW 1:00pm - 1:50pm F 9:00am - 9:50am	Seats (Total: 20) EGR 1202 KNI 1103	Discussion
0106	Zita Nunes MW 1:00pm - 1:50pm F 10:00am - 10:50am	Seats (Total: 20) EGR 1202 KNI 1103	Discussion
0107	Zita Nunes MW 1:00pm - 1:50pm F 10:00am - 10:50am	Seats (Total: 20) EGR 1202 TYD 2111	Discussion
0108	Zita Nunes MW 1:00pm - 1:50pm F 11:00am - 11:50am	Seats (Total: 20) EGR 1202 KNI 1103	Discussion

AASP298V **Special Topics in African American Studies; The Blues as a Cultural Art Form**

AASP298V Special Topics in African American Studies: The Blues as a Cultural Art Form; (3 credits) Grade Method: REG/P-F/AUD.

0101	Mark Puryear W 1:00pm - 3:30pm	Seats (Total: 35) NCC 0130

AASP298W **Special Topics in African American Studies; Introduction Creative Writing: African American Perspective**

AASP298W Special Topics in African American Studies: Introduction Creative Writing: African American Perspective; (3 credits) Grade Method: REG/P-F/AUD. Also offered as ENGL278C. Credit will be granted for one of the following: AASP28W or ENGL278C.

0101	Valerie Turner TuTh 9:30am - 10:45am	Seats (Total: 20) NCC 0120

AASP298Y **Special Topics in African American Studies; Making of the Caribbean**
Contact department for information to register for this course.

AASP301 **Applied Policy Analysis and the Black Community**

AASP301 Applied Policy Analysis and the Black Community; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: AASP101; and (ECON201 or ECON200). Recommended: Completion of one semester of statistics is recommended. Development and application of the tools needed for examining the effectiveness of alternative policy options confronting minority communities. Review policy research methods used in forming and evaluating policies. Examination of the policy process.

0101	Odis Johnson Th 4:00pm - 6:30pm	Seats (Total: 24) PLS 1184

AASP313 **Black Women in United States History**

AASP313 Black Women in United States History; (3 credits) Grade Method: REG/P-F/AUD.
Restriction: Sophomore standing or higher. Also offered as: WMST314. Credit only granted for: AASP498W, AASP313, HIST329E, WMST314, or WMST498N. Formerly: AASP498W. Black American women's history is examined from slavery to the present. The principal focus of the readings discussions and student assignments will be based upon gaining a fuller understanding of the effect of race, class and gender on the life cycles and multiple roles of Black women as mothers, daughters, wives, workers and social change agents. A variety of primary source materials on black women's experiences will be utilized.

0101	Elsa Barkley Brown W 5:30pm - 8:00pm	Seats (Total: 35) KEY 0116

AASP386 **Experiential Learning**

AASP386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Restriction: Permission of BSOS-African American Studies department; and Junior standing or higher.

Contact department for information to register for this course.

AASP395 **Fundamentals of Quantitative Research in Socio-Cultural Perspective**

AASP395 Fundamentals of Quantitative Research in Socio-Cultural Perspective; (3 credits) Grade Method: REG/P-F/AUD.
Restriction: Must be in African American Studies program; and Junior standing or higher. Introduction to quantitative methods for African American Studies majors in the cultural and social analysis concentration. Basics of survey design and experimental design and data analysis and use of statistical software programs.

0101	Gniesha Dinwiddie	Seats (Total: 20)
	TuTh 11:00am - 12:15pm	SKN 1115

AASP396 **Independent Study Non-Thesis Option**

AASP396 Independent Study Non-Thesis Option; (3 credits) Grade Method: REG.
Prerequisite: AASP386 and AASP297. Restriction: Must be in African American Studies program. Credit only granted for: AASP396 or AASP397. A research seminar that allows African American Studies majors to complete an independent study research project in lieu of completing the AASP397: Senior Thesis. Students will examine various concepts of race, gender, labor and ethnicity in the seminar lecture component to be applied toward their specific research projects.

0101	Gniesha Dinwiddie	Seats (Total: 10)
	W 10:00am - 12:30pm	TYD 1118

AASP397 **Senior Thesis**

AASP397 *(PermReq)* **Senior Thesis; (3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Restriction: Permission of BSOS-African American Studies department. Directed research in African American Studies resulting in the completion and defense of a senior thesis.

Contact department for information to register for this course.

AASP398B **Selected Topics in the African Diaspora; African American Communities and Runaway Slaves in the U.S. South**

AASP398B Selected Topics in the African Diaspora: African American Communities and Runaway Slaves in the U.S. South; (3 credits) Grade Method: REG/P-F/AUD.

0101	David Terry	Seats (Total: 35)
	Tu 4:00pm - 6:30pm	LEF 1201

AASP398G **Selected Topics in the African Diaspora; Gender, Labor, and Racial Identity in African Diaspora Communities**

AASP398G Selected Topics in the African Diaspora: Gender, Labor, and Racial Identity in African Diaspora Communities; (3 credits) Grade Method: REG. Multiple dimensions of gender, labor, and racial identity in post-emancipaton African diaspora communities in the U.S. and the Caribbean will be explore and critiqued. A central component is how race and gender influence labor systems, citizenship struggles, and cultural performance of various peoples of African descent.

0101	Sharon Harley	Seats (Total: 22)
	W 2:00pm - 4:30pm	LEF 1222

AASP400 **Directed Readings in African American Studies**

AASP400 Directed Readings in African American Studies; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - History and Social Sciences. *Prerequisite: AASP202 or AASP100.* The readings will be directed by the faculty of African American Studies. Topics to be covered will be chosen to meet the needs and interests of individual students. Also offered as WMST498Y. Credit will be granted for one of the following: AASP400, AASP400H, or WMST498Y.

0101	Sangeetha Madhavan W 3:00pm - 5:30pm	Seats (Total: 25) WDS 1114

AASP400H **Directed Readings in African American Studies**

AASP400H *(PermReq)* **Directed Readings in African American Studies; (3 credits)** Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - History and Social Sciences.
Prerequisite: AASP202 or AASP100. The readings will be directed by the faculty of African American Studies. Topics to be covered will be chosen to meet the needs and interests of individual students. For general honors students only.

0101	Sangeetha Madhavan W 3:00pm - 5:30pm	Seats (Total: 5) WDS 1114

AASP411 **Black Resistance Movements**

AASP411 Black Resistance Movements; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: AASP100. A comparative study of the black resistance movements in Africa and America; analysis of their interrelationships as well as their impact on contemporary pan-Africanism.

0101	Melinda Chateauvert Tu 6:00pm - 8:30pm	Seats (Total: 30) TLF 1101

AASP483 **Gender, Sexuality and the Black Family**

AASP483 Gender, Sexuality and the Black Family; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: AASP100. Credit only granted for: AASP483 or AASP498F. Formerly: AASP498F. Examining the historical, economic, social, and scholarly construction of African American family structures. The problematization of "Black matriarchy," hetero- and homosexuality, bi-racialism, and other efforts to "normalize" African Americans to conform to Eurocentric and religious concepts of family will be critically analyzed.

0101	Melinda Chateauvert TuTh 2:00pm - 3:15pm	Seats (Total: 25) SYM 0215

AASP498K **Special Topics in Black Culture; Black Masculinities in Art, Music and Dance**

AASP498K Special Topics in Black Culture: Black Masculinities in Art, Music and Dance; (3 credits) Grade Method: REG/P-F/AUD.

This course will examine Black mens contributions to art, music and dance, as well as how they have expressed their race, gender, sexual, and political identities through art. The course will examine Plantation dances, minstrel performances, the Harlem Renaissance, the Black Arts Movement, and early and modern day hip-hop song and dance.

0101	Jason Nichols	Seats (Total: 35)
	Tu 4:00pm - 6:30pm	SQH 1119

AASP499G **Advanced Topics in Public Policy and the Black Community; The Evaluation of Social Programs**

AASP499G Advanced Topics in Public Policy and the Black Community: The Evaluation of Social Programs; (3 credits) Grade Method: REG/P-F/AUD.

0101	Odis Johnson	Seats (Total: 20)
	W 4:00pm - 6:30pm	ASY 3211

AASP499P **Advanced Topics in Public Policy and the Black Community; African-American Politics from Frederick Douglass to Barack Obama**

AASP499P Advanced Topics in Public Policy and the Black Community: African-American Politics from Frederick Douglass to Barack Obama; (3 credits) Grade Method: REG/P-F/AUD.

0101	Jonathan England	Seats (Total: 35)
	Tu 2:00pm - 4:30pm	ASY 3203

AASP499T **Advanced Topics in Public Policy and the Black Community; Race, Poverty, Violence, and the Juvenile Justice System: A Theoretical and Contextual Analysis of Social Capital**

AASP499T Advanced Topics in Public Policy and the Black Community: Race, Poverty, Violence, and the Juvenile Justice System: A Theoretical and Contextual Analysis of Social Capital; (3 credits) Grade Method: REG/P-F/AUD.

0101	Joseph Richardson	Seats (Total: 25)
	W 4:00pm - 6:30pm	TYD 2108

AASP621 **Public Policy and Black Communities**

AASP621 Public Policy and Black Communities; (3 credits) Grade Method: REG/AUD.
Restriction: Permission of BSOS-African American Studies department. This course explores the role of race in social policy formation and emphasizes the importance of both political institutions and economic relations as determinants of the policy making process and context.

0101	Odis Johnson	Seats (Total: 5)
	W 4:00pm - 6:30pm	ASY 3211

AAST Asian American Studies Fall 2012

AAST200 **Introduction to Asian American Studies**

AAST200 Introduction to Asian American Studies; (3 credits) Grade Method: REG/P-F. CORE Behavioral and Social Science (SB) Course. CORE Diversity (D) Course.
The aggregate experience of Asian Pacific Americans, from developments in the countries of origin to their contemporary issues. The histories of Asian Pacific American groups as well as culture, politics, the media, and stereotypes, viewed from an interdisciplinary perspective. Also offered as AMST298C. Credit will be granted for one of the following: AAST200 or AMST298C.

0101	Janelle Wong	Seats (Total: 40)
	TuTh 12:30pm - 1:45pm	ASY 3203

AAST201 **Asian American History**

AAST201 Asian American History; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. CORE Diversity (D) Course. GenEd: Diversity - Understanding Plural Societies.
Also offered as: HIST221. Credit only granted for: AAST201, HIST219G, HIST219M, or HIST221. Introduction to the history of Asian Americans and Asians in the United States and the Americas and to the field of Asian American Studies, from an interdisciplinary perspective. Topics include theories of race and ethnicity; Asian migration and diaspora to the Americas; Asian American work and labor issues; gender, family, and communities; nationalism and nativism, and anti-Asian movements; Asian Americans in World War II, the Cold War, and the issues in the civil rights & post-civil rights era.

0101	Lisa Mar MW 9:00am - 9:50am M 11:00am - 11:50am	Seats (Total: 20) PLS 1140 WDS 1131	Discussion
0102	Lisa Mar MW 9:00am - 9:50am M 1:00pm - 1:50pm	Seats (Total: 20) PLS 1140 KEY 0117	Discussion
0103	Lisa Mar MW 9:00am - 9:50am W 11:00am - 11:50am	Seats (Total: 20) PLS 1140 WDS 1131	Discussion
0104	Lisa Mar MW 9:00am - 9:50am W 1:00pm - 1:50pm	Seats (Total: 20) PLS 1140 WDS 0104	Discussion

AAST233 **Introduction to Asian American Literature**

AAST233 Introduction to Asian American Literature; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - Humanities; Diversity - Understanding Plural Societies.
Also offered as: ENGL233. Credit only granted for: ENGL233, AAST233, or AAST298L. Formerly: AAST298L. A survey of Asian American literature with an emphasis on recurrent themes and historical context.

0101	Lawrence-Minh Davis Tu 5:00pm - 7:30pm	Seats (Total: 35) KEY 0116	

AAST378 **Experiential Learning**

AAST378 *(PermReq)* **Experiential Learning; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Julie Park	Seats (Total: 10)
	Contact instructor or department for details.	

AAST388 **Independent Research**

AAST388 *(PermReq)* **Independent Research; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Julie Park	Seats (Total: 10)
	Contact instructor or department for details.	

AAST398B **Selected Topics in Asian American Studies; Contemporary Asian American Literature of the 21st Century**

AAST398B Selected Topics in Asian American Studies: Contemporary Asian American Literature of the 21st Century; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Humanities; Diversity - Understanding Plural Societies. Also offered as ENGL349B. An investigation of cutting edge Asian American literature, focusing on post-millennial works of fiction. With the shifting social and political landscapes of Asian America and America more generally in mind, we will examine how established Asian American writers have shifted their literary interestsor, as crucially, maintained them. We will also examine the new, emerging generation of authors. A guiding question: what issues, forms, and venues are the Asian American writers of today exploring?

0101	Lawrence-Minh Davis	Seats (Total: 35)
	TuTh 2:00pm - 3:15pm	ANS 0412

AAST398D **Selected Topics in Asian American Studies; Filipino American History and Biography**

AAST398D Selected Topics in Asian American Studies: Filipino American History and Biography; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Diversity - Understanding Plural Societies.
Also offered as AMST328J. This course is focused on Filipino American experiences with an emphasis on identity, community building and organizing to influence public policy. We will cover pertinent events from the US and Philippine history in order to understand the impact of colonialism, migration, immigration and assimilation on Filipino Americans.

0101	Gemirald Daus	Seats (Total: 35)
	W 5:00pm - 7:30pm	TYD 1114

AAST398L **Selected Topics in Asian American Studies; Asian Americans in Media**

AAST398L Selected Topics in Asian American Studies: Asian Americans in Media; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Humanities; Diversity - Understanding Plural Societies.
An examination of diverse representations of Asian Americans in the US m media by focusing on film, television, and digital media. It is a practical course which teaches the basic process of filmmaking that will help interrogate stereotypical images of Asian American identities, culture, and activism as well as representations that challenge and contest such stereotypes.

0101	Christian Oh	Seats (Total: 35)
	M 5:00pm - 7:30pm	TYD 2111

AAST424 **Sociology of Race Relations**

AAST424 Sociology of Race Relations; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: 6 credits in SOCY courses; or permission of UGST-Undergraduate Studies. Restriction: Must not have completed SOCY424. Also offered as: SOCY424. Credit only granted for: AAST424 or SOCY424.* Analysis of race-related issues, with a primary focus on American society. The historical emergence, development, and institutionalization of racism; the impact of racism on its victims; and racially based conflict.

0101	Kris Marsh	Seats (Total: 30)
	TuTh 8:00am - 9:15am	ASY 3203

0201	Rashawn Ray	Seats (Total: 28)
	TuTh 9:30am - 10:45am	ARC 1101

AAST498B **Advanced Topics in Asian American Studies; Confucius' Many Lives in East Asia and Asian America**

AAST498B Advanced Topics in Asian American Studies: Confucius' Many Lives in East Asia and Asian America; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as HIST428K and RELS419M. Explores the strong influences o f Confucian cultural ideals in East Asia and among Asian Americans, from ancient China to the 21st century modern present, focusing on the ways diverse peoples imagined Confucius to meet the needs of their times. To pics include: family, politics, education, religion, philosophy, and migration.

0101	Lisa Mar	Seats (Total: 40)
	MW 2:00pm - 3:15pm	BPS 0283

AAST498G **Advanced Topics in Asian American Studies; Asian American Women and Gender**

AAST498G Advanced Topics in Asian American Studies: Asian American Women and Gender; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as WMST498I. The intersection of gender, sexuality, and race in the lives of Asian American men and women from the late nineteenth century to the present. Topics surveyed include migration and diaspora, empire and nationalism, family and community, Asian American masculinity and feminism, and gay and lesbian experiences. Weekly discussions and biweekly essay assignments will emphasize how encounters between diverse racial groups, in both domestic and international settings, structured gender relations as well as the role of the federal government and the media in defining those relations. Course readings will draw on a variety of disciplines with a special attention to how race and sexual orientation become interwoven aspects of Asian American experience and identity formation.

0101	Shuji Otsuka	Seats (Total: 25)
	MW 12:30pm - 1:45pm	SQH 1105

AAST498I **Advanced Topics in Asian American Studies; Asian American Leadership**

AAST498I Advanced Topics in Asian American Studies: Asian American Leadership; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as EDCP418A. Credit will be granted for one of the following: AAST498I or EDCP418A.

0101	Joann Prosser, Hannah Wu	Seats (Total: 25)
	TuTh 11:00am - 12:15pm	PLS 1168

AAST498V **Advanced Topics in Asian American Studies; Asian Religions in American Culture**

AAST498V Advanced Topics in Asian American Studies: Asian Religions in American Culture; (3 credits) Grade Method: REG/P-F/AUD.

0101	John Caughey	Seats (Total: 35)
	MW 2:00pm - 3:15pm	HZF 0101
	Also offered as AMST418L and RELS419L.	

AAST498Z **Advanced Topics in Asian American Studies; Asian Americans Experience During World War II: Integration and Transnationalism**

AAST498Z Advanced Topics in Asian American Studies: Asian Americans Experience During World War II: Integration and Transnationalism; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as HIST429P. The transnational experience of Asian Americans during one of the defining moments in modern world history: the Asia-Pacific War of 1931-45 will be examined. Japanese colonial aggression clashed with longstanding U.S. military involvement in the Asia-Pacific region, creating optimal if unequal conditions for women and men of various races, ethnicities, classes, nationalities, and sexual orientations to interact with each other in unprecedented ways. Asian and Pacific Islander Americans crisscrossed the Pacific as U.S. military intelligence officers, soldiers, crewmembers, translators, and pilots; on the domestic front, they worked in wartime industries that had previously excluded them from employment. Changes in U.S. immigration laws further altered the economic and political landscape of various Asian and Asian American ethnic groups while the U.S. government removed, excluded, and detained over 110,000 Japanese nationals, Japanese Americans, and Latin Americans of Japanese descent.

0101	Shuji Otsuka	Seats (Total: 30)
	MW 3:30pm - 4:45pm	KEY 0120

AGNR Agriculture and Natural Resources Fall 2012

AGNR270 **Technology Training Seminar**

AGNR270 Technology Training Seminar; (2-3 credits) Grade Method: REG. *Restriction: Must be in a major in AGNR-College of Agriculture & Natural Resources; or permission of AGNR-College of Agriculture & Natural Resources. Also offered as: BSCI279. Credit only granted for: AGNR270 or BSCI279.* A hands-on training seminar about pedagogical applications of information technology and mastery of several technical skills. Special emphasis is placed on gainfully understanding technological issues such as copyright and intellectual property, accessibility, and usability. Restricted to AGNR majors only.

0101	Deborah Mateik	Seats (Total: 5)
	F 10:00am - 12:30pm	CSS 1410

AGNR388 **Honors Thesis Research**

AGNR388 *(PermReq)* **Honors Thesis Research; (3-6 credits)** Grade Method: REG.

0101	Leon Slaughter	Seats (Total: 5)
	Contact instructor or department for details.	

AGNR499 **Special Problems; Special Problems**

AGNR499 *(PermReq)* **Special Problems: Special Problems; (1-3 credits)** Grade Method: REG/P-F/AUD.

0102	Leon Slaughter	Seats (Total: 1)
	Contact instructor or department for details.	

AMSC Applied Mathematics & Scientific Computation Fall 2012

AMSC460 **Computational Methods**

AMSC460 *(PermReq)* **Computational Methods; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: CMSC106, MATH240, and MATH241. Also offered as: CMSC460. Credit only granted for: AMSC460, CMSC460, AMSC466, or CMSC466. Basic computational methods for interpolation, least squares, approximation, numerical quadrature, numerical solution of polynomial and transcendental equations, systems of linear equations and initial value problems for ordinary differential equations. Emphasis on methods and their computational properties rather than their analytic aspects. Intended primarily for students in the physical and engineering sciences.

0101	Harland Glaz TuTh 12:30pm - 1:45pm	Seats (Total: 35) MTH B0421
0201	Tobias von Petersdorff TuTh 12:30pm - 1:45pm	Seats (Total: 25) MTH 0409

AMSC466 **Introduction to Numerical Analysis I**

AMSC466 *(PermReq)* **Introduction to Numerical Analysis I; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: CMSC106, MATH240, and MATH241. Also offered as: CMSC466. Credit only granted for: AMSC460, CMSC460, AMSC466, or CMSC466. Floating point computations, direct methods for linear systems, interpolation, solution of nonlinear equations.

0101	Tobias von Petersdorff TuTh 9:30am - 10:45am	Seats (Total: 28) MTH 0409

AMSC498A **Selected Topics in Applied Mathematics**

AMSC498A *(PermReq)* **Selected Topics in Applied Mathematics; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

AMSC614 **Mathematics of the Finite Element Method**

AMSC614 Mathematics of the Finite Element Method; (3 credits) Grade Method: REG/AUD.
Prerequisite: Must have completed one semester graduate level course in partial differential equations; or permission of instructor. Variational formulations of linear and nonlinear elliptic boundary value problems; formulation of the finite element method; construction of finite element subspaces; error estimates; eigenvalue problems; time dependent problems.

0101	Ricardo Nochetto	Seats (Total: 20)
	TuTh 9:30am - 10:45am	MTH 1308

AMSC660 **Scientific Computing I**

AMSC660 *(PermReq)* **Scientific Computing I; (3 credits)** Grade Method: REG.
Prerequisite: Must have knowledge of C or Fortran. And AMSC460 or CMSC460; or (CMSC466 or AMSC466); or (Must have knowledge of basic numerical analysis (linear equations, nonlinear integration, interpolation); and permission of instructor). Credit only granted for: AMSC660 or CMSC660. Monte Carlo simulation, numerical linear algebra, nonlinear systems and continuation method, optimization, ordinary differential equations. Fundamental techniques in scientific computation with an introduction to the theory and software of each topic.

0101	Howard Elman	Seats (Total: 55)
	TuTh 9:30am - 10:45am	CSI 2117

AMSC663 **Advanced Scientific Computing I**

AMSC663 Advanced Scientific Computing I; (3 credits) Grade Method: REG.
Prerequisite: CMSC660 or AMSC660; and (CMSC661 or AMSC661). Restriction: Permission of instructor. Also offered as: CMSC663. Credit only granted for: AMSC663 or CMSC663. In the sequence MAPL663, MAPL664 students work on a year-long individual project to develop software for a scientific task in a high perfomance computing environment. Lectures will be given on available computational environments, code development, implementation of parallel algorithms.

0101	Radu Balan	Seats (Total: 20)
	TuTh 5:15pm - 6:30pm	CSI 4122

AMSC666 **Numerical Analysis I**

AMSC666 Numerical Analysis I; (3 credits) Grade Method: REG/AUD. *Prerequisite: CMSC466 or AMSC466; and MATH410. Also offered as: CMSC666. Credit only granted for: AMSC666 or CMSC666.* Interpolation and approximation, numerical integration, solution algorithms for nonlinear systems of equations, numerical optimization. Click here for more course information.

0101	Maria Cameron	Seats (Total: 20)
	MWF 12:00pm - 12:50pm	MTH 0411

AMSC670 **Ordinary Differential Equations I**

AMSC670 Ordinary Differential Equations I; (3 credits) Grade Method: REG/AUD. *Prerequisite: MATH405. And MATH410; or students who have taken courses with similar or comparable course content may contact the department. Also offered as: MATH670. Credit only granted for: AMSC670 or MATH670.* Existence and uniqueness, linear systems usually with Floquet theory for periodic systems, linearization and stability, planar systems usually with Poincare-Bendixson theorem. Offered fall only. Also offered as MATH670.

0101	Vadim Kaloshin	Seats (Total: 20)
	TuTh 11:00am - 12:15pm	MTH 0407

AMSC673 **Partial Differential Equations I**

AMSC673 Partial Differential Equations I; (3 credits) Grade Method: REG/AUD. *Prerequisite: MATH411; or students who have taken courses with similar or comparable course content may contact the department. Also offered as: MATH673. Credit only granted for: AMSC673 or MATH673.* Analysis of boundary value problems for Laplace's equation, initial value problems for the heat and wave equations. Fundamental solutions, maximum principles, energy methods. First order nonlinear PDE, conservation laws. Characteristics, shock formation, weak solutions. Distributions, Fourier transform. Offered fall only. Also offered as MATH673.

0101	Pierre-Emmanuel Jabin	Seats (Total: 20)
	TuTh 12:30pm - 1:45pm	ITV 1111

AMSC689 **Research Interactions in Applied Mathematics and Scientific Computation**

AMSC689 *(PermReq)* **Research Interactions in Applied Mathematics and Scientific Computation; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

AMSC698A **Advanced Topics in Applied Mathematics**

AMSC698A Advanced Topics in Applied Mathematics; (1-4 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

AMSC698B **Advanced Topics in Applied Mathematics; Error Correcting Codes**

AMSC698B Advanced Topics in Applied Mathematics: Error Correcting Codes; (3 credits) Grade Method: REG/AUD.
Also offered as ENEE626.

0101	Prakash Narayan	Seats (Total: 30)
	TuTh 2:00pm - 3:15pm	AVW 2446

AMSC698L **Advanced Topics in Applied Mathematics; Mathematics of Kinetic Theory**

AMSC698L Advanced Topics in Applied Mathematics: Mathematics of Kinetic Theory; (1-3 credits) Grade Method: REG/AUD.

0101	Charles Levermore	Seats (Total: 10)
	TuTh 11:00am - 12:15pm	ANS 0412

AMSC760 **Applied Statistics Practicum**

AMSC760 *(PermReq)* **Applied Statistics Practicum; (3 credits)** Grade Method: REG.
Prerequisite: Must have completed one year of graduate study in Applied Statistics. Restriction: Must have project proposal approved by SAC coordinator. A semester long applied applied statistical project (a minimum 10 hours per week or 120 hours in total), in an internship of collaborative research-laboratory setting working on a substantive applied quantitative project with significant statistical content.

0101	Instructor: TBA	Seats (Total: 20)
	Contact instructor or department for details.	

AMSC762 **Data Analysis Project**

AMSC762 *(PermReq)* **Data Analysis Project; (1 credit)** Grade Method: REG. This course cannot be used to meet any of the Applied Statistics Area's seminar requirements. Offered yearly, required of and limited to MS non-thesis and doctoral students in Applied Statistics Area, for whom the resulting projects serve as a Qualifying Exam component. After 5-6 lectures or presentations on components of successful data analyses and write-ups, 3-4 sessions will discuss previous student project submissions. The culminating project, to be completed in a two week period between semesters, is an analysis and written report of one of three project choices made available each year to represent a spectrum of realistic applied statistical problems.

0101	Instructor: TBA	Seats (Total: 20)
	Contact instructor or department for details.	

AMSC799 **Master's Thesis Research**

AMSC799 Master's Thesis Research; (1-6 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

AMSC898 **Pre-Candidacy Research**

AMSC898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

AMSC899 **Doctoral Dissertation Research**

AMSC899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

AMST American Studies Fall 2012

AMST101 **Introduction American Studies**

AMST101 Introduction American Studies; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - Humanities; Diversity - Understanding Plural Societies. *Credit only granted for: AMST101 or AMST201. Formerly: AMST201.* Introduces students to the interdisciplinary field of American Studies by examining concepts such as culture, identity, cultural practices, and globalization, as well as theories underlying these concepts. Engages key themes, especially constructions of difference and identity, cultures of everyday life, and America and the world. Please Click here for m ore AMST course information.

0101	Ilyas Abukar MWF 9:00am - 9:50am	Seats (Total: 25) HZF 0106	
0201	Ellen Griff MWF 1:00pm - 1:50pm	Seats (Total: 25) HZF 0106	
0301	Terrance Wooten TuTh 8:00am - 9:15am	Seats (Total: 25) HJP 1125	
0401	Darius Bost TuTh 12:30pm - 1:45pm	Seats (Total: 25) HZF 0106	
FC01	Douglas Ishii F 10:00am - 11:15am Class time/details on ELMs *Restricted to students in Freshman Connection.*	Seats (Total: 20) MMH 0108 ONLINE	Discussion
FC02	Darius Bost Tu 3:30pm - 4:45pm Class time/details on ELMs *Restricted to students in Freshman Connection.*	Seats (Total: 15) HZF 0106 ONLINE	Discussion

AMST202 **Cultures of Everyday Life in America**

AMST202 Cultures of Everyday Life in America; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. GenEd: Distributive Studies - History and Social Sciences.
Examine the structures and patterns of everyday life in the U.S., utilizing methods such as ethnography, oral history, survey research, and textual, visual, and material cultural analysis.

0101	Jennie Chaplin MWF 10:00am - 10:50am	Seats (Total: 25) HZF 0106	

AMST203 **Popular Culture in America**

AMST203 Popular Culture in America; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course. GenEd: Distributive Studies - Humanities; Diversity - Understanding Plural Societies.
An introduction to American popular culture, its historical development, and its role as a reflection of and influence on our culture and society.

0101	Daniel Greene TuTh 11:00am - 12:15pm	Seats (Total: 25) HZF 0106	
0201	Paul Saiedi TuTh 2:00pm - 3:15pm	Seats (Total: 25) HZF 0106	
FC01	Shayna Maskell F 11:30am - 12:45pm Class time/details on ELMs *Restricted to students in Freshman Connection.*	Seats (Total: 14) HBK 1112 ONLINE	Discussion
FC02	Stephanie Stevenson F 1:00pm - 2:15pm Class time/details on ELMs *Restricted to students in Freshman Connection.*	Seats (Total: 14) HBK 0108 ONLINE	Discussion

AMST205 **Material Aspects of American Life**

AMST205 Material Aspects of American Life; (3 credits) Grade Method: REG/P-F/AUD. CORE History or Theory of Arts (HA) Course. GenEd: Distributive Studies - Humanities; Diversity - Understanding Plural Societies.
Historical survey of American material culture. Ways of describing and interpreting accumulated material evidence (e.g., buildings, town plans) introduced by stressing relationship between artifact and culture.

0101	Jessica Walker MWF 12:00pm - 12:50pm	Seats (Total: 25) HZF 0106	
0102	Jessica Walker MWF 10:00am - 10:50am	Seats (Total: 25) ITV 1111	
FC01	Izetta Mobley F 11:30am - 12:45pm Class time/details on ELMs *Restricted to students in Freshman Connection.*	Seats (Total: 15) HBK 0109 ONLINE	Discussion
FC02	Izetta Mobley F 1:00pm - 2:15pm Class time/details on ELMs *Restricted to students in Freshman Connection.*	Seats (Total: 20) MMH 0108 ONLINE	Discussion

AMST298C **Introduction to Asian American Studies**

AMST298C Introduction to Asian American Studies; (3 credits) Grade Method: REG/P-F. CORE Behavioral and Social Science (SB) Course. CORE Diversity (D) Course.
Also offered as AAST200. Credit will be granted for one of the following: AAST200 or AMST298C.

0101	Janelle Wong TuTh 12:30pm - 1:45pm	Seats (Total: 40) ASY 3203

AMST298I **Selected Topics in American Studies; Transnational American Studies**

AMST298I Selected Topics in American Studies: Transnational American Studies; (3 credits) Grade Method: REG/P-F/AUD.

0101	Jan Padios MW 11:00am - 12:15pm	Seats (Total: 35) SQH 1119

AMST328J **Perspectives on Identity and Culture; Filipino American History and Biography**

AMST328J Perspectives on Identity and Culture: Filipino American History and Biography; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as AAST398D. This course is focused on Filipino American experiences with an emphasis on identity, community building and organizing to influence public policy. We will cover pertinent events from the US and Philippine history in order to understand the impact o colonialism, migration, immigration and assimilation on Filipino Americans.

0101	Gemirald Daus W 5:00pm - 7:30pm	Seats (Total: 35) TYD 1114

AMST340 **Introduction to History, Theories and Methods in American Studies**

AMST340 *(PermReq)* **Introduction to History, Theories and Methods in American Studies; (3 credits)** Grade Method: REG.
Prerequisite: Must have completed AMST201; and 2 courses in AMST. Restriction: Must be in American Studies program; and Sophomore standing or higher.
Introduction to the process of interdisciplinary research, including research literatures, questions, first-hand sources and library and analytic methods in American Studies. Each student will craft a prospectus for original research.

0101	Mary Sies TuTh 11:00am - 12:15pm	Seats (Total: 20) HZF 1108

AMST386 **Experiential Learning**

AMST386 Experiential Learning; (3-6 credits) Grade Method: REG/P-F.
Restriction: Permission of ARHU-American Studies department; and Junior standing or higher.

0601	Jo Paoletti Contact instructor or department for details.	Seats (Total: 10)

AMST388 **Honors Thesis**

AMST388 *(PermReq)* **Honors Thesis; (3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

AMST398 **Independent Studies**

AMST398 *(PermReq)* **Independent Studies; (1-3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

AMST418A **Cultural Themes in America; African-American Visual and Material Culture**

AMST418A Cultural Themes in America: African-American Visual and Material Culture; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: At least three credit hours of prior coursework in AMST.

0101	Cheryl LaRoche	Seats (Total: 25)
	W 4:00pm - 6:40pm	HBK 0123

AMST418D **Cultural Themes in America; Growing Up American**

AMST418D Cultural Themes in America: Growing Up American; (3 credits) Grade Method: REG/P-F/AUD.

0101	R Kelly	Seats (Total: 40)
	Class time/details on ELMs	ONLINE

AMST418H **Cultural Themes in America; Cultural Themes in America-Honors**

AMST418H *(PermReq)* **Cultural Themes in America: Cultural Themes in America-Honors; (3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: At least three credit hours of prior coursework in American Studies.

Contact department for information to register for this course.

AMST418L **Cultural Themes in America; Asian Religions in American Culture**

AMST418L Cultural Themes in America: Asian Religions in American Culture; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: At least three credit hours of prior coursework in AMST.

0101	John Caughey	Seats (Total: 35)
	MW 2:00pm - 3:15pm	HZF 0101
	Also offered as RELS419L and AAST498V.	

AMST418R **Cultural Themes in America; Identity in American Culture**

AMST418R Cultural Themes in America: Identity in American Culture; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: At least three credit hours of prior coursework in AMST.

0101	R Kelly	Seats (Total: 35)
	Class time/details on ELMs	ONLINE

AMST429D **Perspectives on Popular Culture; Children and the Media**

AMST429D Perspectives on Popular Culture: Children and the Media; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: At least three credit hours of prior coursework in AMST.

0101	Michael Brody	Seats (Total: 35)
	TuTh 2:00pm - 3:15pm	BPS 1236

AMST433 **American Humor**

AMST433 American Humor; (3 credits) Grade Method: REG/P-F/AUD.
Credit only granted for: AMST418A or AMST433. Formerly: AMST418A. American humor from the Colonial era through the present in genres including literature, journalism, graphic arts, performance, and modern media. How humor expresses and mediates important social and cultural concerns including politics, religion, race and ethnicity, gender and topical issues. Prerequisite: At least three credit hours of prior coursework in AMST.

0101	Cornelia Cody	Seats (Total: 35)
	Tu 3:30pm - 6:30pm	HBK 0302J

AMST450 **Seminar in American Studies**

AMST450 *(PermReq)* **Seminar in American Studies; (3 credits)** Grade Method: REG. CORE Capstone (CS) Course. GenEd: Distributive Studies - Scholarship in Practice.
Prerequisite: AMST201 and AMST340; and 1 course in AMST. Restriction: Senior standing; and must be in American Studies program. Developments in theories and methods of American Studies scholarship, with emphasis upon interaction between the humanities and the social sciences in the process of cultural analysis and evaluation.

0201	Jo Paoletti	Seats (Total: 20)
	TuTh 9:30am - 10:45am	HZF 1108

AMST498B **Special Topics in American Studies; Fashion and Consumer Culture in the U.S.**

AMST498B Special Topics in American Studies: Fashion and Consumer Culture in the U.S.; (3 credits) Grade Method: REG.
Prerequisite: At least three credit hours of prior coursework in AMST. Also offered as AMST628A. Credit will be granted for one of the following: AMST498B or AMST628A.

0101	Jo Paoletti	Seats (Total: 35)
	TuTh 12:30pm - 1:45pm	HZF 0101

AMST498E **Special Topics in American Studies; Culture and Difference in the Global Economy**

AMST498E Special Topics in American Studies: Culture and Difference in the Global Economy; (3 credits) Grade Method: REG.
Prerequisite: Three credit hours of prior coursework in AMST.

0101	Jan Padios	Seats (Total: 35)
	MW 2:00pm - 3:15pm	JMP 2202

AMST498G **Special Topics in American Studies; Latinas/os on the Silver Screen**

AMST498G Special Topics in American Studies: Latinas/os on the Silver Screen; (3 credits) Grade Method: REG.
Also offered as USLT498A. Prerequisite: At least three credit hours of prior coursework in American Studies (for AMST498G only).

0101	Robert Chester TuTh 2:00pm - 3:15pm	Seats (Total: 30) JMZ 2122

AMST498L **Special Topics in American Studies; Native Americans and the U.S. Cinema**

AMST498L Special Topics in American Studies: Native Americans and the U.S. Cinema; (3 credits) Grade Method: REG.
Prerequisite: At least three credit hours of prior coursework in AMST.

0101	Robert Chester TuTh 12:30pm - 1:45pm	Seats (Total: 30) ARC 1105

AMST498O **Special Topics in American Studies; The Diversifying U.S.: Globalization, Immigrants, Migrants, and Refugees**

AMST498O Special Topics in American Studies: The Diversifying U.S.: Globalization, Immigrants, Migrants, and Refugees; (3 credits) Grade Method: REG.
Also offered as USLT498K. Prerequisite: At least three credit hours of prior coursework in AMST.

0101	Perla Guerrero TuTh 9:30am - 10:45am	Seats (Total: 35) HZF 0101

AMST601 **Introductory Theories and History in American Studies**

AMST601 Introductory Theories and History in American Studies; (3 credits) Grade Method: REG.
Restriction: Must not be a Graduate Advanced Special Student. Explores the formative literature, theories, research approaches, and history of American Studies.

0101	Nancy Struna M 4:00pm - 6:40pm	Seats (Total: 15) HZF 1108

AMST628A **Seminar in American Studies; Fashion and Consumer Culture in the United States**

AMST628A Seminar in American Studies: Fashion and Consumer Culture in the United States; (3 credits) Grade Method: REG/AUD.
Also offered as AMST498B. Credit will be granted for one of the following: AMST498B or AMST628A.

0101	Jo Paoletti	Seats (Total: 35)
	TuTh 12:30pm - 1:45pm	HZF 0101

AMST628N **Seminar in American Studies; Space, Place, and Identity in the Digital Age**

AMST628N Seminar in American Studies: Space, Place, and Identity in the Digital Age; (3 credits) Grade Method: REG/AUD.

0101	Jason Farman	Seats (Total: 15)
	Th 4:00pm - 6:40pm	HZF 1108

AMST629J **Seminar in American Studies; Black Cultural Currents**

AMST629J Seminar in American Studies: Black Cultural Currents; (3 credits) Grade Method: REG/AUD.

0101	Jeffrey McCune Jr.	Seats (Total: 15)
	W 4:00pm - 6:40pm	HZF 1108

AMST629O **Seminar in American Studies; The "Bad" Life: Deviance, Disability, Defiance**

AMST629O Seminar in American Studies: The "Bad" Life: Deviance, Disability, Defiance; (3 credits) Grade Method: REG/AUD.

0101	Christina Hanhardt	Seats (Total: 15)
	Tu 4:00pm - 6:40pm	HZF 1108

AMST698 **Directed Readings in American Studies**

AMST698 *(PermReq)* **Directed Readings in American Studies; (3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

AMST798 **Non-Thesis Research**

AMST798 Non-Thesis Research; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

AMST799 **Master's Thesis Research**

AMST799 Master's Thesis Research; (1-6 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

AMST856 **Museum Research Seminar**

AMST856 Museum Research Seminar; (3 credits) Grade Method: REG/AUD. *Prerequisite: AMST655. Also offered as: HIST810. Credit only granted for: AMST638D, AMST856, HIST810, or HIST819D. Formerly: AMST638D.* A research seminar focusing on the practice and presentation of cultural and historical scholarship in museums and historical sites. Students will complete an original research project on the challenges and opportunities of public exhibition and interpretation of cultural and historical research. Also offered as ANTH856 and HIST810.

0101	Robert Friedel	Seats (Total: 15)
	W 4:00pm - 6:40pm	TLF 2100

AMST857 **Museum Scholarship Practicum**

AMST857 *(PermReq)* **Museum Scholarship Practicum; (3-6 credits)** Grade Method: REG.
Prerequisite: AMST856; and Permission of Museum Scholarship Program required. Also offered as: HIST811. Credit only granted for: AMST857 or HIST811. Students devise and carry out a research program using the collections at the Smithsonian Institution or some other cooperating museum, working under joint supervision of a museum professional and a university faculty member.

0401	Mary Sies	Seats (Total: 2)
	Contact instructor or department for details.	

1601	Robert Friedel	Seats (Total: 1)
	Contact instructor or department for details.	

AMST878 **American Studies Pedagogy Mentoring**

AMST878 *(PermReq)* **American Studies Pedagogy Mentoring; (1-3 credits)** Grade Method: REG/AUD.

0101	Christina Hanhardt	Seats (Total: 1)
	Contact instructor or department for details.	

AMST898 **Pre-Candidacy Research**

AMST898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

AMST899 **Doctoral Dissertation Research**

AMST899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ANSC Animal Science Fall 2012

ANSC101 **Principles of Animal Science**

The following courses may involve the use of animals. Students who are concerned about the use of animals in teaching have the responsibility to contact the instructor, prior to course enrollment, to determine whether animals are to be used in the course, whether class exercises involving animals are optional or required and what alternatives, if any, are available.

ANSC101 Principles of Animal Science; (2 credits) Grade Method: REG/P-F/AUD. A comprehensive overview of the application of biology in the care and use of animals that live in close association with humans including food animals, companion animals, lab animals, zoo animals, etc. The role of science in modern food production using animals will be emphasized. Offered in fall semester only.

0101	Kasey Moyes MW 1:00pm - 1:50pm	Seats (Total: 225) HJP 0226	

ANSC103 **Principles of Animal Science Laboratory**

ANSC103 Principles of Animal Science Laboratory; (1 credit) Grade Method: REG/P-F/AUD.
Prerequisite: Completed or be concurrently enrolled in ANSC101. Restriction: Must be in one of the following programs (Environmental Sci & Pol-Environment & Agriculture; Agricultural and Veterinary Medicine; Agricultural Science and Technology) ; or must be in a major within AGNR-Animal & Avian Sciences department; or Permission of department required for students in other College of AGNR programs. Laboratory focusing on the application of biology in the care and use of animals that live in close association with humans including food animals, companion animals, lab animals, zoo animals, etc. Labs will include live animals. Offered in fall semester only. Students must pay a $50.00 laboratory materials fee.

0101	Kasey Moyes, Robert Peters M 2:00pm - 4:00pm	Seats (Total: 25) ANS 1144	Lab
0201	Kasey Moyes, Robert Peters Tu 2:00pm - 3:50pm	Seats (Total: 25) ANS 1144	Lab
0301	Robert Peters, Kasey Moyes F 10:00am - 12:00pm	Seats (Total: 25) ANS 1144	Lab
0401	Robert Peters, Kasey Moyes Th 2:00pm - 4:00pm	Seats (Total: 25) ANS 1144	Lab
0501	Kasey Moyes, Robert Peters W 3:00pm - 5:00pm	Seats (Total: 25) ANS 1144	

ANSC211 **Anatomy of Domestic Animals**

ANSC211 Anatomy of Domestic Animals; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ANSC101, ANSC103, and BSCI105. Restriction: Must be in Environmental Sci&Pol-Wildlife Resources & Cons program. Covering the anatomy of major species of domestic animals. The lecture portion utilizes a systemic approach to provide a general knowledge of both gross and microscopic mammalian structure. Comparative differences between the major domestic species are covered in these lectures. A regional approach is taken to study the gross anatomy of major domestic species in the laboratory portion. Offered fall semester only. Offered fall only. Students must pay a $50.00 laboratory materials fee.

0101	Angela Black MW 2:00pm - 2:50pm M 3:00pm - 4:50pm	Seats (Total: 22) ANS 0408 ANS 0108	 Lab
0102	Angela Black MW 2:00pm - 2:50pm W 3:00pm - 4:50pm	Seats (Total: 22) ANS 0408 ANS 0108	 Lab
0103	Angela Black MW 2:00pm - 2:50pm M 11:00am - 12:50pm	Seats (Total: 22) ANS 0408 ANS 0108	 Lab
0104	Angela Black MW 2:00pm - 2:50pm W 11:00am - 12:50pm	Seats (Total: 22) ANS 0408 ANS 0108	 Lab

ANSC220 **Livestock Management**

ANSC220 Livestock Management; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ANSC101 and ANSC103. Management of meat animals including beef, sheep, and swine. This course will emphasize obtaining optimal efficiency of production through the integration of leading edge breeding, feeding, management, and marketing practices.

0101	R Apter TuTh 11:00am - 12:15pm	Seats (Total: 30) ANS 0408	

ANSC225 **Love Me, Hate Me, Use Me, Save Me: Our Conflicting Views of Animals**

ANSC225 Love Me, Hate Me, Use Me, Save Me: Our Conflicting Views of Animals; (3 credits) Grade Method: REG/P-F/AUD. CORE Interdisciplinary & Emerging Issues (IE) Course. GenEd: Distributive Studies - History and Social Sciences; Signature Courses - I-Series.
Examine the evolution of human-animal relationships and consider some of the major social an scientific debates that have arisen in the last century as a result of our rapidly changing and diverse views about animals.

0101	Sarah Balcom MW 10:00am - 10:50am W 11:00am - 11:50am	Seats (Total: 20) ANS 0408 ANS 0412	 Discussion
0102	Sarah Balcom MW 10:00am - 10:50am F 10:00am - 10:50am	Seats (Total: 20) ANS 0408 ANS 0408	 Discussion
0103	Sarah Balcom MW 10:00am - 10:50am F 11:00am - 11:50am	Seats (Total: 20) ANS 0408 ANS 0412	 Discussion

ANSC233 **Equine Behavior**

ANSC233 Equine Behavior; (2 credits) Grade Method: REG/P-F/AUD. *Prerequisite: ANSC101, ANSC103, and ANSC232. Credit only granted for: ANSC489B or ANSC233. Formerly: ANSC489B.* Both normal and anomalous behavior of horses will be covered. Emphasis will be given to techniques based on knowledge of behavior that are known to be safe and effective in handling horses.

0101	Adam Diehl Tu 2:00pm - 2:50pm Th 2:00pm - 3:50pm	Seats (Total: 20) JUL 1123 JUL 1123	 Lab

ANSC252 **Introduction to the Diseases of Wildlife**

ANSC252 Introduction to the Diseases of Wildlife; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: BSCI105; or permission of AGNR-Animal & Avian Sciences department; or students who have taken courses with similar or comparable course content may contact the department. The principal diseases of North American wildlife will be briefly considered. For each disease, specific attention will be given to the following: signs evidenced by the affected animal or bird, causative agent, means of transmission and effects of the disease on the population of the species involved. Offered fall only.

0101	Cindy Driscoll	Seats (Total: 80)	
	M 4:00pm - 5:50pm	ANS 0408	
	M 6:00pm - 6:50pm	ANS 0408	Discussion

ANSC255 **Introduction to Aquaculture**

ANSC255 Introduction to Aquaculture; (3 credits) Grade Method: REG. GenEd: Distributive Studies - Scholarship in Practice.
Prerequisite: ANSC101 and ANSC103; or Must have completed an introductory biology course. Introduces the art and science of rearing aquatic animals and the essential principles of aquaculture. Students receive hands-on training in the methods required for successful husbandry and management of aquatic animals in their water environment.

0101	L Woods	Seats (Total: 20)
	TuTh 9:00am - 10:50am	ANS 1144

ANSC314 **Comparative Animal Nutrition**

ANSC314 Comparative Animal Nutrition; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ANSC101 and ANSC103; and (CHEM231 or CHEM104). The fundamental role and implications of dietary preference, gastrointestinal physiology and nutrients in animal nutrition. Biochemical roles of nutrients in metabolism, digestion, absorption and assimilation as it relates to various life processes. Offered fall only.

0101	Brian Bequette	Seats (Total: 88)
	MWF 9:00am - 9:50am	ANS 0408

ANSC330 **Equine Science**

ANSC330 Equine Science; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ANSC232; or permission of instructor. Recommended: ANSC212 and ANSC211. Credit only granted for: ANSC230 or ANSC330. Formerly: ANSC230.
Scientific principles of horse behavior, anatomy, physiology, locomotion, nutrition, reproduction, growth, health and disease as applied to horses are emphasized. Offered fall only. Students must pay a $50.00 laboratory materials fee.

0101	Amy Burk	Seats (Total: 20)	
	MW 1:00pm - 1:50pm	ANS 0402	
	F 2:00pm - 4:00pm	ANS 1144	Lab

ANSC386 **Experiential Learning**

ANSC386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: Permission of AGNR-Animal & Avian Sciences department. Restriction: Junior standing or higher.

Contact department for information to register for this course.

ANSC398V **Seminar - Research; Veterinary Medicine, Options and Opportunities**

ANSC398V Seminar - Research: Veterinary Medicine, Options and Opportunities; (1 credit) Grade Method: REG/P-F/AUD.

0101	Nathaniel Tablante	Seats (Total: 30)
	W 1:00pm - 1:50pm	ANS 0412

ANSC399 **Special Problems in Animal Science**

ANSC399 *(PermReq)* **Special Problems in Animal Science; (1-2 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ANSC446 **Physiology of Mammalian Reproduction**

ANSC446 Physiology of Mammalian Reproduction; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ANSC212 or BSCI440. Anatomy and physiology of reproductive processes in domesticated and wild mammals.

0101	Mary Ottinger	Seats (Total: 80)	
	TuTh 2:00pm - 3:15pm	ANS 0408	

ANSC447 **Physiology of Mammalian Reproduction Laboratory**

ANSC447 *(PermReq)* **Physiology of Mammalian Reproduction Laboratory; (1 credit)** Grade Method: REG/P-F/AUD.
Prerequisite: Completed or be concurrently enrolled in ANSC446. Gross and micro-anatomy, artificial insemination, estrous cycle synchronization and invitro-fertilization procedures and analytical techniques useful in animal management and reproduction. Students must pay a $50.00 laboratory materials fee.

0101	Lindsey Vansandt	Seats (Total: 30)	
	F 12:00pm - 1:50pm	ANS 0108	Lab

ANSC455 **Applied Animal Behavior**

ANSC455 Applied Animal Behavior; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ANSC101 and ANSC103; or BSCI106. Principles of animal behavior applied to production systems in animal agriculture. Offered fall only.

0101	Janet Halperin	Seats (Total: 45)	
	MF 11:00am - 11:50am	ANS 0408	
	W 11:00am - 12:50pm	ANS 0408	Lab

ANSC460 **Comparative Vertebrate Immunology**

ANSC460 Comparative Vertebrate Immunology; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ANSC212, BSCI201, or BSCI440. Credit only granted for: ANSC460 or ANSC489I. Formerly: ANSC489I. Basic concepts in immunology, and comparing immunity in different vertebrates, including organization of immune systems, innate and adaptive immune responses. Special attention will be paid to how cell-mediated and humoral immune responses are induced in natural infections, and what are the effector mechanisms in both of these processes. Immune response in representative disease models such as infections with viruses and bacteria, cancer, and autoimmune disease will be discussed. Lectures concerning cutting-edge research will also be given.

0101	Zhengguo Xiao	Seats (Total: 35)
	TuTh 3:30pm - 4:45pm	ANS 0412

ANSC489 **Current Topics in Animal Science**

ANSC489 Current Topics in Animal Science; (1-3 credits) Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ANSC660 **Poultry Literature**

ANSC660 Poultry Literature; (1-4 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number. Readings on individual topics are assigned. Written reports required. Methods of analysis and presentation of scientific material are discussed.

Contact department for information to register for this course.

ANSC688C **Special Topics; Cognitive Ethology**

ANSC688C Special Topics: Cognitive Ethology; (2 credits) Grade Method: REG/AUD.

0101	William Stricklin	Seats (Total: 10)
	Contact instructor or department for details.	

ANSC688I **Special Topics; Comparative Vertebrate Immunology**

ANSC688I Special Topics: Comparative Vertebrate Immunology; (3 credits) Grade Method: REG/AUD.

0101	Zhengguo Xiao	Seats (Total: 10)	
	TuTh 3:30pm - 4:45pm	ANS 0412	
	Th 5:00pm - 5:50pm	ANS 0412	Discussion

ANSC688N **Special Topics; Membrane Traffic**

ANSC688N Special Topics: Membrane Traffic; (3 credits) Grade Method: REG/AUD.

0101	Liqing Yu	Seats (Total: 20)
	MW 3:00pm - 4:15pm	ANS 0412

ANSC698C **Seminar; Recent Advances in Animal and Avian Sciences**

ANSC698C Seminar: Recent Advances in Animal and Avian Sciences; (1 credit) Grade Method: REG/AUD.

0101	Nickolas Zimmermann	Seats (Total: 25)
	Tu 3:30pm - 4:30pm	ANS 0467

ANSC698D **Seminar; Developing Presentation Skills**

ANSC698D Seminar: Developing Presentation Skills; (1 credit) Grade Method: REG/AUD.

0101	Nickolas Zimmermann	Seats (Total: 12)
	Tu 3:30pm - 4:30pm	ANS 0467

ANSC699 **Special Problems in Animal Science**

ANSC699 *(PermReq)* **Special Problems in Animal Science; (1-2 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ANSC799 **Master's Thesis Research**

ANSC799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ANSC898 **Pre-Candidacy Research**

ANSC898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ANSC899 **Doctoral Dissertation Research**

ANSC899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ANTH Anthropology Fall 2012

ANTH220 **Introduction to Biological Anthropology**

ANTH220 Introduction to Biological Anthropology; (4 credits) Grade Method: REG/P-F/AUD. CORE Life Science Lab (LL) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - Natural Science Lab; Diversity - Understanding Plural Societies.
Human biological evolution, including the biology of contemporary human groups, non-human primate social behavior, and the fossil, biochemical, and molecular evidence for human evolution. Includes a laboratory study of human population genetics, biochemical variation, and anatomical diversity in modern and fossil human and non-human primate groups. Students must pay a $30 laboratory materials fee.

0101	L Jen Shaffer TuTh 11:00am - 12:15pm M 8:00am - 10:00am	Seats (Total: 20) CSS 2324 WDS 0124C	 Lab
0102	L Jen Shaffer TuTh 11:00am - 12:15pm M 11:00am - 1:00pm	Seats (Total: 20) CSS 2324 WDS 0124C	 Lab

0103	L Jen Shaffer TuTh 11:00am - 12:15pm M 2:00pm - 4:00pm	Seats (Total: 20) CSS 2324 WDS 0124C	 Lab
0104	L Jen Shaffer TuTh 11:00am - 12:15pm W 8:00am - 10:00am	Seats (Total: 20) CSS 2324 WDS 0124C	 Lab
0105	L Jen Shaffer TuTh 11:00am - 12:15pm W 11:00am - 1:00pm	Seats (Total: 20) CSS 2324 WDS 0124C	 Lab
0106	L Jen Shaffer TuTh 11:00am - 12:15pm W 2:00pm - 4:00pm	Seats (Total: 20) CSS 2324 WDS 0124C	 Lab
FC01	Susan Steen Tu 5:00pm - 6:15pm F 11:00am - 1:00pm Class time/details on ELMs *Restricted to students in Freshmen Connection.*	Seats (Total: 15) TYD 1101 WDS 0124C ONLINE	 Lab Discussion
FC02	Susan Steen Tu 5:00pm - 6:15pm F 1:00pm - 3:00pm Class time/details on ELMs *Restricted to students in Freshmen Connection.*	Seats (Total: 15) TYD 1101 WDS 0124C ONLINE	 Lab Discussion
FC03	Susan Steen Tu 5:00pm - 6:15pm F 9:00am - 11:00am Class time/details on ELMs *Restricted to students in Freshmen Connection.*	Seats (Total: 15) TYD 1101 WDS 0124C ONLINE	 Lab Discussion

ANTH240 Introduction to Archaeology

ANTH240 Introduction to Archaeology; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - History and Social Sciences; Diversity - Understanding Plural Societies.
Exploration of the variety of past human societies and cultures through archaeology, from the emergence of anatomically modern humans to the more recent historical past.

0101	Megan Bailey TuTh 2:00pm - 3:15pm	Seats (Total: 35) ARC 1105	
0201	Mark Leone MWF 11:00am - 11:50am	Seats (Total: 150) SHM 2102	
0301	Kathryn Deeley MWF 10:00am - 10:50am	Seats (Total: 35) JMP 1109	
FC01	Mary Furlong TuTh 5:00pm - 6:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 25) HJP 1125	

ANTH260 **Introduction to Sociocultural Anthropology and Linguistics**

ANTH260 Introduction to Sociocultural Anthropology and Linguistics; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. CORE Diversity (D) Course. GenEd: Diversity - Understanding Plural Societies.
Culture and social relationships in a wide variety of settings from small-scale to complex societies. An overview of how anthropology analyzes human behavior. Particular attention to the relationship between language and culture.

0101	Elijah Edelman MW 1:00pm - 1:50pm M 12:00pm - 12:50pm	Seats (Total: 25) MMH 1400 WDS 0104	 Discussion
0102	Elijah Edelman MW 1:00pm - 1:50pm W 12:00pm - 12:50pm	Seats (Total: 25) MMH 1400 WDS 0104	 Discussion

0103	Elijah Edelman MW 1:00pm - 1:50pm F 12:00pm - 12:50pm	Seats (Total: 25) MMH 1400 WDS 0104	Discussion
0104	Elijah Edelman MW 1:00pm - 1:50pm Tu 11:00am - 11:50am	Seats (Total: 25) MMH 1400 WDS 0104	Discussion
0105	Elijah Edelman MW 1:00pm - 1:50pm Th 11:00am - 11:50am	Seats (Total: 25) MMH 1400 WDS 0104	Discussion
FC01	Katherine Johnson TuTh 3:30pm - 4:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 29) SQH 1105	

ANTH298A **Special Topics in Anthropology: Forensic Sciences**

ANTH298A Special Topics in Anthropology: Forensic Sciences; (3 credits)
Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Scholarship in Practice. Through lectures and hands-on experience, topics covered are: Criminalistics, Digital & Multimedia Sciences, Engineering Sciences, Jurisprudence (lawyers and judges), Odontology (Forensic dentistry), Pathology/Biology, Physical Anthropology, Psychiatry/Behavioral Science, Questioned Documents, Toxicology, General Forensic Sciences. Also covered would be such general topics as evidence, testimony, standards and real world applications of the forensic sciences such as mass disasters or human rights violation.

FC01	Franklin Damann M 7:30pm - 8:45pm Class time/details on ELMs *Restricted to students in Freshman Connection.*	Seats (Total: 24) KEY 0125 ONLINE	Discussion

ANTH298K **Special Topics in Anthropology; Sexuality and Culture**

ANTH298K Special Topics in Anthropology: Sexuality and Culture; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - History and Social Sciences; Diversity - Understanding Plural Societies.
An overview of sexuality from an anthropological perspective is provided. It will examine aspects of sexuality within our own culture and in cultures around the world. Course topics will include the biology and culture of sex, gender, physical attraction, sexual orientation, marriage and mating taboos, fertility control, STDs and commercial aspects of sex. Anthropology brings to the forefront an enhanced awareness and and understanding of human similarities and differencs essential for people preparing to take their place in the increasingly interconnected world of the twenty-first century.

FC01	Elijah Edelman	Seats (Total: 21)
	MW 7:30pm - 8:45pm	TLF 1101
	Restricted to students in Freshman Connection.	

ANTH320 **Method and Theory in Biological Anthropology**

ANTH320 Method and Theory in Biological Anthropology; (3 credits) Grade Method: REG/P-F.
Prerequisite: ANTH220; or permission of BSOS-Anthropology department. Restriction: Must be in Anthropology program; and Must have a focus in biological anthropology. Or permission of BSOS-Anthropology department. Credit only granted for: (ANTH320 and ANTH425) or ANTH625. Theoretical and methodological overview of biological anthropology, including evolutionary anthropology, anthropological genetics, physiological anthropology, human biology, primatology, paleoanthropology, human biodiversity, and contemporary selective challenges to modern humanity. Emphasis on core concepts and their research applications.

0101	Susan Steen	Seats (Total: 35)
	TuTh 9:30am - 10:45am	WDS 0104

ANTH358A **Undergraduate Teaching Assistant; Undergraduate Teaching Assistant in Archaeology**

ANTH358A *(PermReq)* **Undergraduate Teaching Assistant: Undergraduate Teaching Assistant in Archaeology; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ANTH358B **Undergraduate Teaching Assistant; Undergraduate Teaching Assistant in Bio-Anthropology**

ANTH358B *(PermReq)* **Undergraduate Teaching Assistant: Undergraduate Teaching Assistant in Bio-Anthropology; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ANTH358C **Undergraduate Teaching Assistant; Undergraduate Teaching Assistant in Cultural Anthropology**

ANTH358C *(PermReq)* **Undergraduate Teaching Assistant: Undergraduate Teaching Assistant in Cultural Anthropology; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ANTH368L **Regional Ethnography; Ethnology of Immigrant Life**

ANTH368L Regional Ethnography: Ethnology of Immigrant Life; (3 credits) Grade Method: REG/P-F/AUD.
Click here for more course information.

0101	Judith Freidenberg	Seats (Total: 15)
	Tu 3:30pm - 5:30pm	WDS 1114
	Contact instructor or department for details.	

ANTH386 **Experiential Learning**

ANTH386 *(PermReq)* **Experiential Learning; (1-6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Recommended: Completion of advanced courses in relevant subfield of anthropology recommended. Restriction: Permission of BSOS-Anthropology department; and Junior standing or higher; and must be in Anthropology program.

Contact department for information to register for this course.

ANTH398A **Independent Study; Research Problems**

ANTH398A *(PermReq)* **Independent Study: Research Problems; (1-3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ANTH398E **Independent Study; Bodies and Burials**
Contact department for information to register for this course.

ANTH398G **Independent Study; Ethnicity, Race and Nationality in Europe**
Contact department for information to register for this course.

ANTH398H **Independent Study; Social Anthropology of Britain (Honors)**
Contact department for information to register for this course.

ANTH398K **Independent Study; Archaeology of Roman Identity**
Contact department for information to register for this course.

ANTH398L **Independent Study; Social Anthropology of Britain**
Contact department for information to register for this course.

ANTH398N **Independent Study; Career Development for Anthropology Majors**

ANTH398N Independent Study: Career Development for Anthropology Majors; (1 credit) Grade Method: REG/P-F/AUD.
Click here for more information.

0101	Erik Hanson	Seats (Total: 15)
	W 11:00am - 12:15pm	TYD 1108

ANTH398R **Independent Study; Proseminar-Capstone Research**

ANTH398R *(PermReq)* **Independent Study: Proseminar-Capstone Research; (1 credit)** Grade Method: REG/P-F/AUD.
Required course for ANTH students undertaking capstone research and/or thesis (must be taken concurrently with ANTH 476, ANTH 477, ANTH 486, ANTH 487).

0101	William Stuart	Seats (Total: 15)
	M 12:00pm - 12:50pm	WDS 1127

ANTH398T **Independent Study; Proseminar-Capstone Thesis Writing**

ANTH398T *(PermReq)* **Independent Study: Proseminar-Capstone Thesis Writing; (1 credit)** Grade Method: REG/P-F/AUD.

0101	William Stuart M 12:00pm - 12:50pm	Seats (Total: 15) WDS 1127

ANTH428R **Special Topics in Bioanthropology; Race and Ethnicity**

ANTH428R *(PermReq)* **Special Topics in Bioanthropology: Race and Ethnicity; (3 credits)** Grade Method: REG/P-F/AUD.

SG91	Susan Steen Th 2:00pm - 4:45pm	Seats (Total: 40) Location: TBA
	Registration is restricted to CCJS-Shady Grove majors. Permission is required for all other students to enroll in courses at Shady Grove. Please email ccjsusg@umd.edu for permission.	

ANTH429A **Advanced Special Topics in Biological Anthropology; Plagues, Pathogens and Public Policy**

ANTH429A Advanced Special Topics in Biological Anthropology: Plagues, Pathogens and Public Policy; (3 credits) Grade Method: REG/P-F/AUD.
This section is for Shady Grove Public Health majors or permission of the Anthropology depar tment. Click here for more course information.

SG91	Marilyn London Tu 9:30am - 12:15pm	Seats (Total: 30) BLD3 4211

ANTH429C **Advanced Special Topics in Biological Anthropology; Human Skeletal Anatomy**

ANTH429C Advanced Special Topics in Biological Anthropology: Human Skeletal Anatomy; (3 credits) Grade Method: REG/P-F/AUD.
Click here for more course information.

0101	Marilyn London Tu 2:00pm - 4:45pm	Seats (Total: 21) WDS 0124C

ANTH448A **Special Topics in Archaeology; Archaeology of Diaspora**

ANTH448A Special Topics in Archaeology: Archaeology of Diaspora; (3 credits)
Grade Method: REG/P-F/AUD.
Click here for more course information.

0101	Stephen Brighton	Seats (Total: 25)
	TuTh 3:30pm - 4:45pm	WDS 0104

ANTH448B **Special Topics in Archaeology; Archaeology Law and Preservation**

ANTH448B Special Topics in Archaeology: Archaeology Law and Preservation; (3 credits) Grade Method: REG/P-F/AUD.
Click here for more information.

0101	Donald Craib	Seats (Total: 10)
	M 6:00pm - 8:45pm	WDS 1127

ANTH448F **Special Topics in Archaeology; Environmental Archaeology**

ANTH448F Special Topics in Archaeology: Environmental Archaeology; (3 credits) Grade Method: REG/P-F/AUD.
Click here for more course information.

0101	George Hambrecht	Seats (Total: 20)
	TuTh 2:00pm - 3:15pm	ASY 3219

ANTH448Q **Special Topics in Archaeology; Archaeology of Modern Cities**

ANTH448Q Special Topics in Archaeology: Archaeology of Modern Cities; (3 credits) Grade Method: REG/P-F/AUD.
Click here for more information.

0101	Stephen Brighton	Seats (Total: 20)
	TuTh 12:30pm - 1:45pm	WDS 1130

ANTH454 **Anthropology of Travel and Tourism**

ANTH454 Anthropology of Travel and Tourism; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as: ANTH654. Credit only granted for: ANTH454 or ANTH654. Review of recent anthropological contributions to the study of travel and tourism development. Topics include the history of travel, political economy of tourism, gender in tourism, the built environment, ecotourism, and heritage tourism.

0101	Erve Chambers TuTh 11:00am - 12:15pm	Seats (Total: 30) HBK 0302J

ANTH468B **Special Topics in Cultural Anthropology; Urban Ethnography**

ANTH468B Special Topics in Cultural Anthropology: Urban Ethnography; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Scholarship in Practice.
Prerequisite: ANTH260. Also offered as ANTH617. Click here for more course information.

0101	Tony Whitehead Th 6:00pm - 8:45pm	Seats (Total: 20) WDS 1114

ANTH468M **Special Topics in Cultural Anthropology; Museum of the Immigrant Experience**

ANTH468M *(PermReq)* **Special Topics in Cultural Anthropology: Museum of the Immigrant Experience; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Judith Freidenberg Th 3:00pm - 5:45pm	Seats (Total: 8) MMH 3418

ANTH468N **Special Topics in Cultural Anthropology; African-American Family**

ANTH468N Special Topics in Cultural Anthropology: African-American Family; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Diversity - Understanding Plural Societies.
Click here for more information.

0101	Tony Whitehead M 3:00pm - 5:45pm	Seats (Total: 20) TLF 1101

ANTH468P **Special Topics in Cultural Anthropology; Performing the Nation**

ANTH468P Special Topics in Cultural Anthropology: Performing the Nation; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as THET408N.

0109	Laurie Frederik Meer	Seats (Total: 30)
	MW 2:00pm - 3:15pm	PAC 1815

ANTH469I **Advanced Special Topics in Cultural Anthropology; Transnational Islam**

ANTH469I Advanced Special Topics in Cultural Anthropology: Transnational Islam; (3 credits) Grade Method: REG/P-F/AUD.
Click here for more course information.

0101	Theresa Pham	Seats (Total: 20)
	TuTh 3:30pm - 4:45pm	HBK 0123

ANTH469J **Advanced Special Topics in Cultural Anthropology; An Introduction to the Anthropology of Schooling**

ANTH469J Advanced Special Topics in Cultural Anthropology: An Introduction to the Anthropology of Schooling; (3 credits) Grade Method: REG/P-F/AUD.
Click here for more course information.

0101	Jacqueline Messing	Seats (Total: 20)
	Tu 6:00pm - 8:45pm	WDS 1130

ANTH476 **Senior Research**

ANTH476 *(PermReq)* **Senior Research; (3-4 credits)** Grade Method: REG/P-F/AUD.
Individual Instruction course: contact department or instructor to obtain section number.
Restriction: Must be in Anthropology program. Credit only granted for: ANTH476 or ANTH486. Capstone course in which students pursue independent research into a current problem in anthropology, selected with assistance of a committee of faculty. Research leads to the writing of a senior thesis in anthropology.

Contact department for information to register for this course.

ANTH477 **Senior Thesis**

ANTH477 *(PermReq)* **Senior Thesis; (3-4 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: ANTH476. Restriction: Permission of BSOS-Anthropology department; and must be in Anthropology program. Credit only granted for: ANTH477 or ANTH487. Capstone course in which students write a senior thesis on independent research into a current problem in anthropology. The thesis is defined before a committee of faculty.

Contact department for information to register for this course.

ANTH486 **Honors Research**

ANTH486 *(PermReq)* **Honors Research; (3-4 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
Restriction: Permission of BSOS-Anthropology department; and must be in Anthropology program; and Must be admitted to University Honors Program or Anthropology Honors Program. Credit only granted for: ANTH486 or ANTH476. Capstone course in which students pursue independent research into a current problem in anthropology, selected with assistance of a committee of faculty. Research leads to the writing of an honors thesis in anthropology.

Contact department for information to register for this course.

ANTH487 **Honors Thesis**

ANTH487 *(PermReq)* **Honors Thesis; (3-4 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: ANTH486. Restriction: Permission of BSOS-Anthropology department; and must be in Anthropology program; and Must be admitted to University Honors Program or Anthropology Honors Program. Credit only granted for: ANTH487 or ANTH477. Capstone course in which students write a thesis on the results of independent research into a current problem in anthropology.

Contact department for information to register for this course.

ANTH498C **Advanced Field Training in Ethnography; Service Learning for Applied Urban Ethnography**

ANTH498C Advanced Field Training in Ethnography: Service Learning for Applied Urban Ethnography; (1 credit) Grade Method: REG/P-F/AUD.
Requires 4 hours per week of off-campus service learning. Can only be taken concurrently with ANTH468B or ANTH617.

0101	Tony Whitehead	Seats (Total: 20)
	Contact instructor or department for details.	

ANTH601 **Applied Anthropology**

ANTH601 Applied Anthropology; (3 credits) Grade Method: REG.
An overview of the history and current practices of applied anthropology. This includes relationships between applied anthropology and other major subfields of the profession; the interdisciplinary and public context of applied anthropology; and problems of significance, utility, and ethics associated with applied anthropology. Offered fall only.

0101	Judith Freidenberg	Seats (Total: 25)
	M 6:00pm - 8:40pm	WDS 1114

ANTH606 **Qualitative Methods in Applied Anthropology**

ANTH606 Qualitative Methods in Applied Anthropology; (3 credits) Grade Method: REG/AUD.
An introduction to the use of ethnography and qualitative methods in applied and policy contexts. Qualitative methods discussed include informal and systematic approaches. Students undertake fieldwork in local settings to practice the qualitative methods and to develop analysis and report writing skills. Offered fall only.

0101	Thurka Sangaramoorthy	Seats (Total: 25)
	W 6:00pm - 8:40pm	WDS 1114

ANTH615 **The Anthropology of the African American Family**

ANTH615 The Anthropology of the African American Family; (3 credits) Grade Method: REG/AUD.
Credit only granted for: ANTH468N, ANTH618, or ANTH688N. Suveys the African American family from a historical and ecological perspective, exploring adaptive responses through high stress periods. A key question underlying the explorations in this seminar is whether there are lessons from earlier African American organiztional structures (family, church, and community) that might be applicable to black families overcoming more recent periods of high environmental stress, or does such a concept even have relevance in today's multicultural world?

0101	Tony Whitehead M 3:00pm - 5:45pm	Seats (Total: 10) TLF 1101

ANTH617 **Applied Urban Ethnography: Community Assessment Research**

ANTH617 Applied Urban Ethnography: Community Assessment Research; (3 credits) Grade Method: REG/AUD.
Credit only granted for: ANTH468B, ANTH617, or ANTH688B. Explores the use of ethnographic research methods in carrying out community assessment research to inform the design, implementation, and evaluation of culturally and community appropriate community-based initiatives. This course usually has a fieldwork component in a local urban neighborhood. Also offered as ANTH468B. Click here for more course information.

0101	Tony Whitehead Th 6:00pm - 8:45pm	Seats (Total: 14) WDS 1114

ANTH650 **Advanced Studies in Theory and Practice of Environmental Anthropology**
Contact department for information to register for this course.

ANTH654 **Travel and Tourism**

ANTH654 Travel and Tourism; (3 credits) Grade Method: REG/AUD.
Also offered as: ANTH454. Credit only granted for: ANTH454 or ANTH654. Formerly: ANTH688U. Review of recent anthropological contributions to the study to tourism and tourism development. Topics include the political economy of tourism, gender in tourism, the built environment, ecotourism, and sustainable tourism development.

0101	Erve Chambers TuTh 11:00am - 12:15pm	Seats (Total: 7) HBK 0302J

ANTH688A **Current Developments in Anthropology**

ANTH688A *(PermReq)* **Current Developments in Anthropology; (3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ANTH688B **Current Developments in Anthropology; Transnational Islam**

ANTH688B Current Developments in Anthropology: Transnational Islam; (3 credits) Grade Method: REG/AUD.
Click here for more course information.

0101	Theresa Pham	Seats (Total: 10)
	TuTh 3:30pm - 4:45pm	HBK 0123

ANTH688F **Current Developments in Anthropology; Environmental Archaeology**

ANTH688F Current Developments in Anthropology: Environmental Archaeology; (3 credits) Grade Method: REG/AUD.
Click here for more course information.

0101	George Hambrecht	Seats (Total: 7)
	TuTh 2:00pm - 3:15pm	ASY 3219

ANTH688J **Current Developments in Anthropology; An Introduction to the Anthropology of Schooling**

ANTH688J Current Developments in Anthropology: An Introduction to the Anthropology of Schooling; (3 credits) Grade Method: REG/AUD.
Click here for more course information.

0101	Jacqueline Messing	Seats (Total: 10)
	Tu 6:00pm - 8:45pm	WDS 1130

ANTH688P **Current Developments in Anthropology; Cultural Politics and National Performances**

ANTH688P Current Developments in Anthropology: Cultural Politics and National Performances; (3 credits) Grade Method: REG/AUD.

0101	Laurie Frederik Meer	Seats (Total: 10)
	W 5:00pm - 7:30pm	PAC 2804

ANTH688Z **Current Developments in Anthropology; Archaeology of the Diaspora**

ANTH688Z Current Developments in Anthropology: Archaeology of the Diaspora; (3 credits) Grade Method: REG/AUD.
Click here for more course information.

0101	Stephen Brighton TuTh 3:30pm - 4:45pm	Seats (Total: 10) WDS 0104

ANTH689A **Special Problems in Anthropology**

ANTH689A *(PermReq)* **Special Problems in Anthropology; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ANTH689B **Special Problems in Anthropology; Archaeology Law and Preservation**

ANTH689B Special Problems in Anthropology: Archaeology Law and Preservation; (3 credits) Grade Method: REG/S-F.

0101	Donald Craib M 6:00pm - 8:45pm	Seats (Total: 10) WDS 1127

ANTH689M **Special Problems in Anthropology; Museum of the Immigrant Experience**

ANTH689M *(PermReq)* **Special Problems in Anthropology: Museum of the Immigrant Experience; (3 credits)** Grade Method: REG/S-F.

0101	Judith Freidenberg Th 3:00pm - 5:45pm	Seats (Total: 2) MMH 3418

ANTH689Q **Special Problems in Anthropology; Modern World Archaeology of Cities**

ANTH689Q Special Problems in Anthropology: Modern World Archaeology of Cities; (3 credits) Grade Method: REG/S-F.

0101	Stephen Brighton TuTh 12:30pm - 1:45pm	Seats (Total: 5) WDS 1130

ANTH701 **Anthropology Internship Preparation**

ANTH701 Anthropology Internship Preparation; (3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Preparation for internship includes practicum training in development, presentation and evaluation of position papers, proposals and work plans; literature search and use of secondary data sources in decision making the effect cultural analysis and resource management; ethics and professional development for work in non-academic settings.

Contact department for information to register for this course.

ANTH712 **Anthropology Internship Analysis**

ANTH712 *(PermReq)* **Anthropology Internship Analysis; (3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: ANTH789. The preparation and presentation of internship results, and the development of skills in report writing and presentation. Includes the completion of a professional quality report or publishable paper based on the internship experience.

Contact department for information to register for this course.

ANTH760 **Development of Social/Cultural Theory**

ANTH760 Development of Social/Cultural Theory; (3 credits) Grade Method: REG/AUD.
A broad perspective of the history of social cultural theory in anthropology and the critical skills needed for understanding the subdiscipline is provided. An overview of the history of theorizing about society and culture will help outline the past, present, and future of anthropology and its relations with other scientific and humanistic disciplines.

0101	Matthew Palus	Seats (Total: 25)
	Th 6:00pm - 8:40pm	WDS 1102

ANTH788 **Internship Research**

ANTH788 *(PermReq)* **Internship Research; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ANTH789 **Internship**

ANTH789 *(PermReq)* **Internship; (3-6 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ANTH898 **Pre-Candidacy Research**

ANTH898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ANTH899 **Doctoral Dissertation Research**

ANTH899 Doctoral Dissertation Research; (6 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

AOSC Atmospheric and Oceanic Science Fall 2012

AOSC200 **Weather and Climate**

AOSC200 Weather and Climate; (3 credits) Grade Method: REG/P-F/AUD. CORE Physical Science (PS) Course. GenEd: Distributive Studies - Natural Science Lab(if taken with AOSC201) or Distributive Studies - Natural Sciences; Signature Courses - I-Series(if taken with AOSC201).
Prerequisite: MATH110 or MATH115. Recommended: Concurrent enrollment in AOSC201. Formerly: METO200. Broad survey of the state of knowledge and problems of atmospheric science. Origin and structure of the atmosphere, meteorological observations, weather maps, forecasting, satellites, energetics, wind, general circulation, storms, severe weather, climate change, air pollution.
A Marquee Science and Technology Course designed for Non-Science Majors: http://www.marqueecourses.umd.edu/* Click here for more Marquee course information.

0101	Robert Hudson	Seats (Total: 30)	
	TuTh 12:30pm - 1:45pm	CSS 2324	
	W 1:00pm - 1:50pm	CSS 2416	Discussion

0102	Robert Hudson TuTh 12:30pm - 1:45pm W 2:00pm - 2:50pm	Seats (Total: 30) CSS 2324 CSS 2428	Discussion
0103	Robert Hudson TuTh 12:30pm - 1:45pm W 3:00pm - 3:50pm	Seats (Total: 30) CSS 2324 CSS 2428	Discussion
0104	Robert Hudson TuTh 12:30pm - 1:45pm W 2:00pm - 2:50pm	Seats (Total: 30) CSS 2324 CSS 1113	Discussion
0201	Robert Hudson TuTh 2:00pm - 3:15pm W 2:00pm - 2:50pm	Seats (Total: 30) CSS 2324 CHM 1224	Discussion
0202	Robert Hudson TuTh 2:00pm - 3:15pm W 3:00pm - 3:50pm	Seats (Total: 30) CSS 2324 PLS 1113	Discussion
0203	Robert Hudson TuTh 2:00pm - 3:15pm M 1:00pm - 1:50pm	Seats (Total: 30) CSS 2324 CSS 2428	Discussion
0204	Robert Hudson TuTh 2:00pm - 3:15pm M 2:00pm - 2:50pm	Seats (Total: 30) CSS 2324 CSS 2428	Discussion

AOSC201 **Weather and Climate Laboratory**

AOSC201 Weather and Climate Laboratory; (1 credit) Grade Method: REG/P-F/AUD. CORE Physical Science Lab (PL) Course. GenEd: Distributive Studies - Natural Science Lab.
Corequisite: Concurrently enrolled in AOSC200. Formerly: METO201. Laboratory exercises to supplement AOSC200, including weather observations, weather map analysis, use of the Internet, forecasting practice and climate modeling. Students must pay a $50.00 laboratory materials fee.

0101	Argyro Kavvada Tu 2:30pm - 4:20pm	Seats (Total: 24) CSS 3426	Lab

0102	William Miller W 8:00am - 10:00am	Seats (Total: 24) CSS 3426	Lab
0103	Austin Hope F 8:00am - 10:00am	Seats (Total: 24) CSS 3426	Lab
0104	Stephen Baxter M 8:00am - 10:00am	Seats (Total: 24) CSS 3426	Lab

AOSC358L **Computing and Data Analysis; Deciphering Climate Change Clues**

AOSC358L Computing and Data Analysis: Deciphering Climate Change Clues; (3 credits) Grade Method: REG/P-F/AUD.
Is a comprehensive introductory course designed to prepare students to identify, interpret, and visualize Earth's climate variations observed in the past and projected into the future. The class emphasizes real-world applications, providing students with essential hands-on experience using MATLAB for data analysis and visualization, developing analytical skills for observational and modeling data, and performing virtual experiments to distinguish data.

0101	Xin-Zhong Liang TuTh 12:30pm - 1:45pm	Seats (Total: 20) CSS 3426

AOSC375 **Introduction to the Blue Ocean**

AOSC375 Introduction to the Blue Ocean; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as: GEOL375. Credit only granted for: GEOL375 or METO375.
Introduction to physical, chemical, and biological properties of the ocean. Role of the ocean in climate as a component of the Earth system. El Nino and the ocean, imipact of global warming on the ocean and marine habitats including fisheries.

0101	Raghu Murtugudde MW 10:00am - 11:30am	Seats (Total: 23) CHE 2116

AOSC400 **Physical Meteorology of the Atmosphere**

AOSC400 Physical Meteorology of the Atmosphere; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: 1 course with a minimum grade of C- from (PHYS171, PHYS161, MATH141); or permission of CMNS-Atmospheric & Oceanic Science department. Formerly: METO400. The application of basic classical physics, chemistry and mathematics to the study of the atmosphere. Composition of the atmosphere; energy sources and sinks (radiation in the atmosphere; radiative balance and radiative forcing of atmospheric processes); atmospheric thermodynamics; clouds and precipitation physics; atmospheric electricity and optics; mesoscale processes (e.g., orographic mesoscale phenomena and instabilities); airmass boundaries; severe weather, tropical cyclones; storms; global circulation.

0101	Rachel Pinker TuTh 11:00am - 12:15pm	Seats (Total: 32) CSS 2416

AOSC431 **Atmospheric Thermodynamics**

AOSC431 Atmospheric Thermodynamics; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: 1 course with a minimum grade of C- from (PHYS171, PHYS161, MATH141). Recommended: MATH246. Credit only granted for: AOSC431 or METO431. Formerly: METO431. Classical thermodynamics applied to both the dry and the moist atmosphere. Composition; phase changes of water; stability concepts; Properties of aerosols and clouds, cloud nucleation and precipitation processes, atmospheric electricity, cloud and precipitation chemistry.

0101	Ning Zeng TuTh 9:30am - 10:45am	Seats (Total: 25) CSS 2416
AM01	Ning Zeng TuTh 9:30am - 10:45am	Seats (Total: 5) CSS 2416

AOSC470 **Synoptic Meteorology**

AOSC470 Synoptic Meteorology; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: Minimum grade of C- in AOSC431 and AOSC432. Credit only granted for: AOSC470, AOSC600, or METO600.* Atmospheric properties and observations, meteorological analysis and charts, operational numerical forecasts. Application of quasigeostrophic theory, baroclinic instability, midlatitiude and mesoscale weather systems. Tropical meteorology. Weather forecasting using numerical and statistical models. Prediction of weather phenomena on the global, syoptic, meso, and local scales. Analysis of surface and upper air data; Norwegian cyclone model; introduction to weather forecasting.

0101	Takemasa Miyoshi MWF 11:00am - 11:50am	Seats (Total: 10) CSS 0201

AOSC493 **Senior Research Project I**

AOSC493 Senior Research Project I; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: Permission of CMNS-Atmospheric & Oceanic Science department. Restriction: Must be in Atmospheric and Oceanic Science program. Or must not be in Atmospheric and Oceanic Science program; and permission of instructor.* Technical writing and oral presentation skills. Planning, writing, and presenting a plan for research in the geosciences.

0101	Jeffrey Stehr Contact instructor or department for details.	Seats (Total: 10)

AOSC494 **Atmospheric and Oceanic Science Seminar**

AOSC494 Atmospheric and Oceanic Science Seminar; (1 credit) Grade Method: REG/P-F/AUD.
Prerequisite: Minimum grade of C- in AOSC431 and AOSC432. Exposure to a wide range of contemporary topics in atmospheric, oceanic, and climate sciences, to foster research interests and promote critical thinking through the weekly AOSC departmental seminar series.

0101	Takemasa Miyoshi Th 3:30pm - 4:30pm	Seats (Total: 20) CSS 2400

AOSC499 **Special Problems in Atmospheric Science**

AOSC499 Special Problems in Atmospheric Science; (1-3 credits) Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

AOSC600 **Synoptic Meteorology I**

AOSC600 Synoptic Meteorology I; (3 credits) Grade Method: REG/AUD. *Prerequisite: AOSC610. Credit only granted for: AOSC470 or AOSC600. Formerly: METO600.* Atmospheric properties and observations, meteorological analysis and charts, operational numerical forecasts. Application of quasigeostrophic theory, baroclinic instability, midlatitude and mesoscale weather systems. Tropical meteorology.

0101	Takemasa Miyoshi MWF 11:00am - 11:50am	Seats (Total: 7) CSS 0201
AM01	Takemasa Miyoshi MWF 11:00am - 11:50am	Seats (Total: 5) CSS 0201

AOSC610 **Dynamics of the Atmosphere and Ocean I**

AOSC610 Dynamics of the Atmosphere and Ocean I; (3 credits) Grade Method: REG/AUD.
Prerequisite: Completed or be concurrently enrolled in MATH462; or students who have taken courses with similar or comparable course content may contact the department. Formerly: METO610. Equations of motion and their approximation, scale analysis for the atmosphere and the ocean. Conservation properties. Fluid motion in the atmosphere and oceans. Circulation and vorticity, geostrophic motion and the gradient wind balance. Turbulence and Ekman Layers.

0101	Da-Lin Zhang MF 9:00am - 9:50am W 9:00am - 9:50am	Seats (Total: 30) CSS 2428 CSS 2428

AOSC614 **Atmospheric Modeling, Data Assimilation and Predictability**

AOSC614 Atmospheric Modeling, Data Assimilation and Predictability; (3 credits) Grade Method: REG.
Prerequisite: AOSC610; or permission of instructor. Formerly: METO614. Solid foundation for atmospheric and oceanic modeling and numerical weather prediction: numerical methods for partial differential equations, an introduction to physical parameterizations, modern data assimilation, and predictability.

0101	Eugenia Kalnay W 10:00am - 12:30pm	Seats (Total: 20) CSS 2416
AM01	Eugenia Kalnay W 10:00am - 12:30pm	Seats (Total: 5) CSS 2416

AOSC620 **Physics and Chemistry of the Atmosphere I**

AOSC620 Physics and Chemistry of the Atmosphere I; (3 credits) Grade Method: REG/AUD.
Prerequisite: MATH461; or students who have taken courses with similar or comparable course content may contact the department. Formerly: METO620. Air parcel thermodynamics and stability; constituent thermodynamics and chemical kinetics. Cloud and aerosol physics and precipitation processes.

0101	Russell Dickerson TuTh 2:00pm - 3:15pm	Seats (Total: 25) CSS 2416

AOSC652 **Analysis Methods in Atmospheric and Oceanic Science**

AOSC652 Analysis Methods in Atmospheric and Oceanic Science; (3 credits) Grade Method: REG/AUD.
Prerequisite: PHYS141 and MATH241; or students who have taken courses with similar or comparable course content may contact the department. Recommended: AMSC460, CMSC660, AMSC660, or CMSC460. A variety of the analysis methods used by atmospheric and oceanic scientists will be applied to observational data sets such as Vostok ice core record, temperature trends, and satellite measurements of ozone,sea ice, ect in a hands-on, computer laboratory setting. Students will be exposed to Fortran, IDL, and Matlab as well as modern file formats such as HDF and netCDF. No prior programming experience required.

0101	Ross Salawitch MWF 12:45pm - 1:50pm	Seats (Total: 22) CSS 3426
AM01	Ross Salawitch MWF 12:45pm - 1:50pm	Seats (Total: 5) CSS 3426

AOSC658E **Special Topics in Meteorology; Data Assimulation**

AOSC658E Special Topics in Meteorology: Data Assimulation; (3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

AOSC658N **Special Topics in Meteorology**

AOSC658N Special Topics in Meteorology; (1-3 credits) Grade Method: REG/AUD.

0101	Sumant Nigam, Alfredo Ruiz-Barradas MW 9:30am - 10:45am	Seats (Total: 10) CSS 3425

AOSC670 **Physical Oceanography**

AOSC670 Physical Oceanography; (3 credits) Grade Method: REG/AUD. *Prerequisite: Permission of CMNS-Atmospheric & Oceanic Science department. Also offered as: GEOL670. Credit only granted for: GEOL670 or AOSC670. Formerly: METO670.* Ocean observations. Water masses, sources of deep water. Mass, heat, and salt transport, gochemical tracers. Western boundary currents, maintenance of the thermocline. Coastal and estuarine processes. Surface waves and tides. Ocean climate.

0101	Gennady Chepurin MW 3:15pm - 4:30pm	Seats (Total: 20) JMP 2202
AM01	Gennady Chepurin MW 3:15pm - 4:30pm	Seats (Total: 5) JMP 2202

AOSC680 **Introduction to Earth System Science**

AOSC680 Introduction to Earth System Science; (3 credits) Grade Method: REG/AUD.
An introduction to the study of the earth as a system: atmosphere, oceans, land, cryosphere, solid earth, and humans. Cylcing of materials and energy in the earth system: the energy cycle, the hydrologic cycle, the carbon cycle, the nitrogen cycle. Climate processes and variability:land-atmosphere, ocean-atmosphere, biosphere-climate, and human interactions, short- and long-term variability in climate.

0101	Antonio Busalacchi	Seats (Total: 20)
	W 1:00pm - 3:30pm	Location: TBA
	Course meets at the M-Square Office Building Suite 4001, room 4046.	

AOSC798 **Directed Graduate Research**

AOSC798 Directed Graduate Research; (1-3 credits) Grade Method: S-F. Individual Instruction course: contact department or instructor to obtain section number. Course intended for those students not yet admitted to PhD candidacy to work on research with a professor.

Contact department for information to register for this course.

AOSC818 **Frontiers in Atmosphere, Ocean, Climate, and Synoptic Meteorology Research**

AOSC818 Frontiers in Atmosphere, Ocean, Climate, and Synoptic Meteorology Research; (1 credit) Grade Method: S-F.

0101	Takemasa Miyoshi	Seats (Total: 30)
	Th 3:30pm - 4:30pm	CSS 2400

AOSC898 **Pre-Candidacy Research**

AOSC898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

AOSC899 **Doctoral Dissertation Research**

AOSC899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ARAB Arabic Fall 2012

ARAB104 **Elementary Modern Standard Arabic I-II**

ARAB104 Elementary Modern Standard Arabic I-II; (6 credits) Grade Method: REG/P-F/AUD.
Restriction: Must not be a fluent/native speaker of Arabic. An intensive course focusing on developing functional proficiency in the standard Arabic language, both written and formal spoken. Begins with script and phonology, and develops into a limited range of situation-based texts and topics that build vocabulary, grammar, general communicative competence and cultural awareness. Seats will be opened gradually by the registrar's office, to a total of 15 seats per section.

0101	Soulaiman Jendi MWF 10:00am - 11:50am	Seats (Total: 19) SQH 1111
0301	Soulaiman Jendi MWF 12:00pm - 1:50pm	Seats (Total: 19) SQH 1111
0401	Dina El-Hefnawy M 12:00pm - 1:50pm WF 12:00pm - 1:50pm	Seats (Total: 19) SQH 1107 SQH 1107
0501	Dina El-Hefnawy MWF 2:00pm - 3:50pm *Department permission required.*	Seats (Total: 19) SQH 1111
0601	Lutf Alkebsi MW 10:00am - 11:50am F 10:00am - 11:50am	Seats (Total: 19) SQH 2122 ARC 1127

ARAB204 **Intermediate Modern Standard Arabic I**

ARAB204 Intermediate Modern Standard Arabic I; (6 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
Prerequisite: ARAB105. Restriction: Must not be a fluent/native speaker of Arabic.
Covers topics related to contemporary Arabic society, literature and culture in standard written and formal spoken Arabic. Acquisition of more complex grammatical structures, expanding vocabulary, and reading, to develop a better understanding of the formal aspects of using MSA.

0101	Lutf Alkebsi, sahar jendi MW 12:00pm - 1:50pm F 12:00pm - 1:50pm	Seats (Total: 15) SQH 2122 ARC 1121
0201	sahar jendi M 10:00am - 11:50am W 10:00am - 11:50am F 10:00am - 11:50am	Seats (Total: 15) SQH 1121 SQH 1121 ARC 1121

ARAB206 **Elementary Egyptian Colloquial Arabic III**

ARAB206 Elementary Egyptian Colloquial Arabic III; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ARAB107; or permission of ARHU-School of Languages, Literatures, and Cultures department. Restriction: Must not be a fluent/native speaker of Arabic.
Develops listening and speaking skills in Egyptian Arabic. Covers family, school, shopping, and social interaction. Some reading in Arabic.

0101	Sayed Elsisi TuTh 12:30pm - 1:45pm	Seats (Total: 15) JMZ 2125

ARAB207 **Elementary Egyptian Colloquial Arabic IV**
Contact department for information to register for this course.

ARAB210 **Elementary Levantine Arabic III**

ARAB210 Elementary Levantine Arabic III; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Permission of ARHU-School of Languages, Literatures, and Cultures department. Emphasis on developing listening and speaking skills in Levantine Arabic, since colloquial dialects are mainly used in speech. Covers family, school, shopping, local culture and general interaction. Some reading in Arabic.

FLP1	sahar jendi	Seats (Total: 15)	
	TuTh 9:30am - 10:45am	SQH 1111	
	Restricted to students in SLLC's Arabic Flagship Program.		

ARAB298B **The Arabian Nights and the Art of Storytelling**

ARAB298B The Arabian Nights and the Art of Storytelling; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course.
Taught in English. The Thousand and One Nights in its literary, historical, and sociological contexts and its influence on art and literature throughout time.

0101	Sayed Elsisi	Seats (Total: 30)	
	TuTh 3:30pm - 4:45pm	JMZ 2206	

ARAB304 **Advanced Modern Standard Arabic I**

ARAB304 Advanced Modern Standard Arabic I; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ARAB205; or permission of ARHU-School of Languages, Literatures, and Cultures department. Restriction: Must not be a fluent/native speaker of Arabic. Formerly: ARAB301. Advanced grammar, reading, writing, speaking in Arabic; study of contemporary Arabic society, politics, and culture.

0101	Zein El-Amine	Seats (Total: 15)	
	TuTh 2:00pm - 3:15pm	SQH 1103	
	F 2:00pm - 2:50pm	SQH 1103	Lab
0201	Peter Glanville	Seats (Total: 15)	
	MW 3:00pm - 4:15pm	SQH 1123	
	F 3:00pm - 3:50pm	SQH 1123	Lab

ARAB321 **Arabic Media**

ARAB321 *(PermReq)* **Arabic Media; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: ARAB305; or permission of instructor.* Examines the role of the Arabic media in shaping public opinion and influencing relations between the Arab world and the non-Arab world. Focus on content and acquistion of Modern Standard Arabic. Taught in Arabic.

0101	Alaa Elgibali	Seats (Total: 15)
	TuTh 11:00am - 12:15pm	JMZ 2120

ARAB399 **Independent Study In Arabic**

ARAB399 Independent Study In Arabic; (1-3 credits) Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Contact the department to obtain section numbers.

Contact department for information to register for this course.

ARAB499F **Special Topics in Arabic Studies; Readings in Arabic Literature**

ARAB499F *(PermReq)* **Special Topics in Arabic Studies: Readings in Arabic Literature; (3 credits)** Grade Method: REG/P-F/AUD.
Taught in Arabic. Prerequisite: ARAB305.

0101	Lutf Alkebsi	Seats (Total: 15)
	MW 2:00pm - 3:15pm	JMZ 2122

ARAB499G **Special Topics in Arabic Studies; Contemporary Issues in the Arab World**

ARAB499G *(PermReq)* **Special Topics in Arabic Studies: Contemporary Issues in the Arab World; (3 credits)** Grade Method: REG/P-F/AUD.
Taught in Arabic. Prerequisite: ARAB305.

0101	Alaa Elgibali	Seats (Total: 15)
	TuTh 2:00pm - 3:15pm	JMZ 3205

ARAB628A **Special Topics in Arabic Studies; Arabic Audiovisual Discourses**
Contact department for information to register for this course.

ARAB789 **Independent Study in Arabic**

ARAB789 Independent Study in Arabic; (1-3 credits) Grade Method: REG.

PC01	Instructor: TBA	Seats (Total: 15)
	Contact instructor or department for details.	
	This section is only open to students in the Arabic Language program.	

ARCH Architecture Fall 2012

ARCH170 **Introduction to the Built Environment**

ARCH170 Introduction to the Built Environment; (3 credits) Grade Method: REG/P-F/AUD. CORE History or Theory of Arts (HA) Course. GenEd: Distributive Studies - Humanities.
Introduction of conceptual, perceptual, behavioral, and technical aspects of the built environment, and methods of analysis, problem- solving, and implementation.

0101	Luis Diego Quiros Pacheco MW 9:00am - 9:50am F 9:00am - 9:50am	Seats (Total: 23) ARC 0204 ARC 1101	 Discussion
0102	Luis Diego Quiros Pacheco MW 9:00am - 9:50am F 9:00am - 9:50am	Seats (Total: 23) ARC 0204 ARC 1103	 Discussion
0103	Luis Diego Quiros Pacheco MW 9:00am - 9:50am F 9:00am - 9:50am	Seats (Total: 23) ARC 0204 ARC 1105	 Discussion
0104	Luis Diego Quiros Pacheco MW 9:00am - 9:50am F 11:00am - 11:50am	Seats (Total: 23) ARC 0204 ARC 1105	 Discussion
0105	Luis Diego Quiros Pacheco MW 9:00am - 9:50am M 12:00pm - 12:50pm	Seats (Total: 23) ARC 0204 ARC 1101	 Discussion
0106	Luis Diego Quiros Pacheco MW 9:00am - 9:50am W 11:00am - 11:50am	Seats (Total: 23) ARC 0204 ASY 3215	 Discussion

0107	Luis Diego Quiros Pacheco MW 9:00am - 9:50am W 1:00pm - 1:50pm	Seats (Total: 23) ARC 0204 ARC 1101	Discussion
0108	Luis Diego Quiros Pacheco MW 9:00am - 9:50am W 10:00am - 10:50am	Seats (Total: 23) ARC 0204 ARC 1101	Discussion
0109	Luis Diego Quiros Pacheco MW 9:00am - 9:50am F 12:00pm - 12:50pm	Seats (Total: 23) ARC 0204 ARC 1101	Discussion
0110	Luis Diego Quiros Pacheco MW 9:00am - 9:50am F 10:00am - 10:50am	Seats (Total: 23) ARC 0204 ARC 1103	Discussion
0111	Luis Diego Quiros Pacheco MW 9:00am - 9:50am M 2:00pm - 2:50pm	Seats (Total: 23) ARC 0204 ASY 3221	Discussion
0115	Luis Diego Quiros Pacheco MW 9:00am - 9:50am W 1:00pm - 1:50pm	Seats (Total: 23) ARC 0204 EDU 2102	Discussion
FC01	Marisa Allen TuTh 6:30pm - 7:45pm *Restricted to students in Freshman Connection.*	Seats (Total: 24) ARC 1105	

ARCH225 **History of World Architecture I**

ARCH225 History of World Architecture I; (3 credits) Grade Method: REG/P-F/AUD.
Restriction: Sophomore standing or higher. Survey of architectural history from prehistory through the year 1000 CE.

0101	Robert Vann TuTh 9:30am - 10:45am	Seats (Total: 150) ARC 0204

ARCH227 **History of World Architecture III**

ARCH227 *(PermReq)* **History of World Architecture III; (3 credits)** Grade Method: REG/P-F/AUD.
Restriction: Sophomore standing or higher. Survey of architectural history from 1800 to present.

0101	Isabelle Gournay TuTh 11:00am - 12:15pm	Seats (Total: 120) ARC 0204	

ARCH242 **Basic Architectural Drawing**

ARCH242 *(PermReq)* **Basic Architectural Drawing; (3 credits)** Grade Method: REG.
Prerequisite: ARCH170; or permission of ARCH-School of Architecture, Planning, & Preservation. Restriction: Freshman standing. The study of drawing as a learned skill with emphasis on observation, documentation, analysis, and synthesis. This introductory course immerses students in the conventions of architectural drawing (orthographics, isometrics, axonometrics, and linear perspective) primarily through freehand drawing.

0101	Lester Escobal F 8:00am - 9:50am F 10:00am - 11:50am	Seats (Total: 13) ARC 0204 Location: TBA	 Lab
0102	Lester Escobal F 8:00am - 9:50am F 12:00pm - 1:50pm	Seats (Total: 13) ARC 0204 Location: TBA	 Lab
0105	Lester Escobal F 8:00am - 9:50am M 6:00pm - 7:50pm	Seats (Total: 13) ARC 0204 Location: TBA	 Lab

ARCH270 **Design in Practice**

ARCH270 Design in Practice; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Scholarship in Practice; Signature Courses - I-Series.

0101	Madlen Simon TuTh 2:00pm - 3:15pm	Seats (Total: 50) ARC 1101	

ARCH400 **Architecture Studio I**

ARCH400 *(PermReq)* **Architecture Studio I; (6 credits)** Grade Method: REG/P-F/AUD.
Restriction: Must be in Architecture (B.S.) program. Introduction to architectural design with particular emphasis on conventions and principles of architecture, visual and verbal communication skills, formal analysis, design process, spatial composition, architectural promenade, basic program distribution, and elementary constructional and environmental responses. Offered fall only.

0102	Brian Kelly	Seats (Total: 54)
	MWF 2:00pm - 6:00pm	Location: TBA

ARCH402 **Architecture Studio III**

ARCH402 *(PermReq)* **Architecture Studio III; (6 credits)** Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Scholarship in Practice.
Prerequisite: Minimum grade of C- in ARCH401. Restriction: Must not be in Architecture (B.S.) program. Architectural design studio with emphasis on building and facade typologies, the development of architectural promenade and sequence, public and/or civic infill buildings dependent upon the architectural promenade, and urban housing types of varying densities. The architect's obligations to urban context are explored in many dimensions including historical, typological, and physical. Offered fall only.

0101	Ronit Eisenbach	Seats (Total: 54)
	MWF 2:00pm - 6:00pm	Location: TBA

ARCH404 **Graduate Architecture Design Studio I**

ARCH404 Graduate Architecture Design Studio I; (6 credits) Grade Method: REG/AUD.
Recommended: For 3 1/2 year graduate students only. Restriction: Must be in Architecture (Master's) program. Introduction to architectural design with particular emphasis on conventions and principles of architecture , visual and verbal communication skills, formal analysis, design process, spatial composition, architectural promenade, basic program distribution, and elementary constructional and environmental responses. Offered fall only.

0101	Michael Ambrose	Seats (Total: 12)
	MWF 2:00pm - 6:00pm	Location: TBA

ARCH406 **Graduate Architecture Design Studio III**

ARCH406 Graduate Architecture Design Studio III; (6 credits) Grade Method: REG/AUD.
Prerequisite: Minimum grade of C- in ARCH405. Restriction: Must be in Architecture (Master's) program. Investigations into the relationship between the man-made and the natural world including introductory issues of assembly and material value. Design of the site and the building are combined into an integral process delimiting and probing the boundaries of each and exploring their reciprocal relationship. The architect's obligations to the natural and urban contexts are explored in many dimensions including historical, typological, environmental, and physical.

0101	Paul Mortensen	Seats (Total: 16)
	MWF 2:00pm - 6:00pm	Location: TBA

ARCH410 **Architecture Technology I**

ARCH410 *(PermReq)* **Architecture Technology I; (4 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: MATH220 or MATH140; and PHYS121; and (GEOG140, GEOG123, GEOL120, AOSC123, GEOL123, or BSCI205). Corequisite: Concurrently enrolled in ARCH400. Restriction: Must be in Architecture (B.S.) program. First course in a four course sequence which develops the knowledge and skills of architectural technology. Addresses climate, human responses to climate, available materials, topography and impact on culture. Principles of assembly, basic structural principles and philosophies of construction. Offered fall only.

0101	Carl Bovill	Seats (Total: 80)
	TuTh 12:30pm - 2:15pm	ARC 0204

ARCH412 **Architecture Technology III**

ARCH412 Architecture Technology III; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Minimum grade of C- in ARCH411. Corequisite: Concurrently enrolled in ARCH402. Restriction: Must be in Architecture (B.S.) program. Third course in a four course sequence. Design of steel, timber, and reinforced concrete elements and subsystems; analysis of architectural building systems. Introduction to design for both natural and man-made hazards.

0101	Powell Draper TuTh 2:30pm - 4:15pm	Seats (Total: 80) ARC 0204

ARCH418M **Selected Topics in Architectural Technology; Measuring Sustainability**

ARCH418M Selected Topics in Architectural Technology: Measuring Sustainability; (3 credits) Grade Method: REG.
Studies metrics of sustainability as included in rating standards, including LEED. All students will take the LEED GA test.

0101	Ralph Bennett Tu 5:30pm - 7:00pm Th 5:30pm - 7:00pm	Seats (Total: 30) ARC 1101 ARC 0204

ARCH422 **History of Greek Architecture**

ARCH422 History of Greek Architecture; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ARCH221; or permission of ARCH-School of Architecture, Planning, & Preservation. Survey of Greek architecture from 750-100 B.C.

0101	Robert Vann TuTh 12:30pm - 1:45pm	Seats (Total: 20) ARC 1127

ARCH426 **Fundamentals of Architecture**

ARCH426 *(PermReq)* **Fundamentals of Architecture; (3 credits)** Grade Method: REG/AUD.
Restriction: Must be in Architecture (B.S.) program; and Must be in the 3.5 year M. ARCH program. Thematic introduction of a variety of skills, issues, and ways of thinking that bear directly on the design and understanding of the built world. Offered fall only.

0101	Cynthia Field Tu 5:00pm - 8:10pm	Seats (Total: 15) ARC 1125

ARCH435 **History of Contemporary Architecture**

ARCH435 History of Contemporary Architecture; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ARCH221; or permission of ARCH-School of Architecture, Planning, & Preservation. Architectural history from World War II to the present.

0101	Isabelle Gournay	Seats (Total: 43)	
	TuTh 12:30pm - 1:45pm	ARC 1101	

ARCH443 **Visual Communication For Architects**

ARCH443 Visual Communication For Architects; (3 credits) Grade Method: REG.
Corequisite: Concurrently enrolled in ARCH400. Restriction: Must be in Architecture (Master's) program; and Must be in the 3.5 year M. ARCH program. Investigation of the relationship between drawing from life and architectural drawing, the conventions of architectural drawing and the role of architectural drawing as a means to develop, communicate, and generate architectural ideas.

0101	Elijah Moore	Seats (Total: 20)	
	MF 10:00am - 12:50pm	ARC 1123	

ARCH470 **Computer Applications in Architecture**

ARCH470 *(PermReq)* **Computer Applications in Architecture; (3 credits)** Grade Method: REG.
Prerequisite: ARCH400; or permission of ARCH-School of Architecture, Planning, & Preservation. Restriction: Must be in Architecture (B.S.) program. Introduction to computer utilization, with emphasis on architectural applications. ARCH majors only.

0101	Farzam Yazdanseta	Seats (Total: 18)	
	Tu 5:00pm - 8:00pm	ARC 1115	
	Th 5:00pm - 6:00pm	ARC 1115	Lab

ARCH479 **Independent Studies in Architecture**

ARCH479 Independent Studies in Architecture; (1-4 credits) Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ARCH600 **Comprehensive Design Studio V**

ARCH600 *(PermReq)* **Comprehensive Design Studio V; (6 credits)** Grade Method: REG/AUD.
Prerequisite: ARCH403; or students who have taken courses with similar or comparable course content may contact the department. Corequisite: Concurrently enrolled in ARCH611. Restriction: Must be in Architecture (Master's) program. Comprehensive building and site design. Course content bridges the gap between design and technology, between practice and education, in a studio setting. Explorations include the integration of conceptual and technical aspects of architectural form and assembly, highlighting the ways in which multiple layers of a building design are developed, coordinated and resolved.

0101	Peter Noonan MWF 2:00pm - 6:00pm	Seats (Total: 32) Location: TBA

ARCH611 **Advanced Architecture Technology Seminar**

ARCH611 *(PermReq)* **Advanced Architecture Technology Seminar; (3 credits)** Grade Method: REG/AUD.
Prerequisite: ARCH413. Corequisite: Concurrently enrolled in ARCH600. Restriction: Must be in Architecture (Master's) program. Technology in design of buildings. Application of technological issues in building design; integration of technology in architecture; technology as a form determinant in architecture; other conceptual and philosophical issues related to the application of technology in the design, construction, and use of buildings. Offered fall only.

0101	Carl Bovill TuTh 4:15pm - 6:15pm	Seats (Total: 17) ARC 1103
0102	Powell Draper TuTh 4:15pm - 6:15pm	Seats (Total: 17) ARC 1121

ARCH628D **Selected Topics in Architectural History; Washington D.C.'s History of Architecture and Planning**

ARCH628D *(PermReq)* **Selected Topics in Architectural History: Washington D.C.'s History of Architecture and Planning; (3 credits)** Grade Method: REG/AUD.

0101	Cynthia Field TuTh 9:30am - 10:45am	Seats (Total: 18) ARC 1123

ARCH629 **Independent Studies in Architectural History**

ARCH629 *(PermReq)* **Independent Studies in Architectural History; (3 credits)** Grade Method: REG/AUD.

0801	Instructor: TBA	Seats (Total: 10)	
	Contact instructor or department for details.		

ARCH654 **Urban Development and Design Theory**

ARCH654 Urban Development and Design Theory; (3 credits) Grade Method: REG/AUD.
Prerequisite: ARCH401; or permission of ARCH-School of Architecture, Planning, & Preservation. Advanced investigation into the history, and practice of urban design, planning, and development.

0101	Karl Du Puy	Seats (Total: 40)	
	MW 11:00am - 11:50am	ARC 1101	
	F 10:00am - 11:50am	ARC 1101	

ARCH674 **Seminar in Regionalism**

ARCH674 *(PermReq)* **Seminar in Regionalism; (3 credits)** Grade Method: REG/AUD.
Prerequisite: ARCH600; or permission of ARCH-School of Architecture, Planning, & Preservation. Regional characterisitics of culture, climate, and landscape as determinants world architecture.

0101	William Bechhoefer	Seats (Total: 10)	
	M 11:00am - 11:50am	ARC 1121	
	W 10:00am - 11:50am	ARC 1121	Discussion

ARCH678 **Selected Topics in Architecture**

ARCH678 *(PermReq)* **Selected Topics in Architecture; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Restricted to ARCH majors only.

Contact department for information to register for this course.

ARCH679 **Independent Studies in Architecture; Independent Study in Architecture**

ARCH679 Independent Studies in Architecture: Independent Study in Architecture; (1-4 credits) Grade Method: REG/AUD.

0101	Ronit Eisenbach Contact instructor or department for details.	Seats (Total: 2)
0102	Instructor: TBA Contact instructor or department for details.	Seats (Total: 1)
0103	Instructor: TBA Contact instructor or department for details.	Seats (Total: 1)
0104	Instructor: TBA Contact instructor or department for details.	Seats (Total: 1)
0105	Instructor: TBA Contact instructor or department for details.	Seats (Total: 1)
0106	Instructor: TBA Contact instructor or department for details.	Seats (Total: 1)
0107	Carl Bovill Contact instructor or department for details.	Seats (Total: 5)

ARCH700 **Advanced Urban Design Studio VII**

ARCH700 *(PermReq)* **Advanced Urban Design Studio VII; (6 credits)** Grade Method: REG/AUD.
Prerequisite: ARCH600; or permission of ARCH-School of Architecture, Planning, & Preservation. Studio problems and theories concentrating on urbanism and urban design techniques. Issues and sites range from high density urban in-fill to suburban and greenfield development in American and other contexts. Studio theories explore such topics as Contextualism, Neo-Traditional design, Transit-Oriented Development, density, sustainable development building typology, and street design.

0101	Matthew Bell TuTh 2:00pm - 7:00pm Contact instructor or department for details.	Seats (Total: 15) ARC 1127

ARCH770 **Professional Practice**

ARCH770 *(PermReq)* **Professional Practice; (3 credits)** Grade Method: REG/AUD. *Prerequisite: ARCH601; or permission of ARCH-School of Architecture, Planning, & Preservation. Restriction: Must be in Architecture (Master's) program.* Project management, organizational, legal, economic and ethical aspects of architecture.

0101	Andrew Pressman F 11:00am - 1:50pm	Seats (Total: 30) ARC 1103

ARCH797 **Thesis Proseminar**

ARCH797 Thesis Proseminar; (3 credits) Grade Method: REG/AUD. *Prerequisite: ARCH601.* Directed research and preparation of thesis program.

0101	Madlen Simon Tu 11:30am - 2:00pm	Seats (Total: 10) ARC 1125
0201	Madlen Simon Th 11:30am - 2:00pm	Seats (Total: 10) ARC 1125

ARCH798 **Thesis in Architecture**

ARCH798 *(PermReq)* **Thesis in Architecture; (3 credits)** Grade Method: REG.

0101	Ralph Bennett MWF 2:00pm - 6:00pm	Seats (Total: 12) Location: TBA
0201	Instructor: TBA MWF 2:00pm - 6:00pm	Seats (Total: 9) Location: TBA

ARCH799 **Master's Thesis Research**

ARCH799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number. Restricted to ARCH majors only.

Contact department for information to register for this course.

AREC Agricultural and Resource Economics Fall 2012

AREC306 **Farm Management and Sustainable Food Production**

AREC306 Farm Management and Sustainable Food Production; (3 credits)
Grade Method: REG/P-F/AUD.
The organization and operation of farm businesses are explored through principles of management, financial analysis, production economics, marketing, and business planning. These farm management principles are presented in the context of a sustainable food production system.

0101	Dale Johnson MW 3:30pm - 4:45pm	Seats (Total: 125) EGR 1202	

AREC345 **Global Poverty and Economic Development**

AREC345 Global Poverty and Economic Development; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - History and Social Sciences; Diversity - Understanding Plural Societies.
This interdisciplinary course explores social and economic development around the world. Topics include geography, democratization, political instability and conflict, health and education, agricultural development, micro-entrepreneurship, and an introduction to impact evaluation methods used to evaluate the efficacy of public policy aimed at alleviating poverty.

0101	Pamela Jakiela MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 40) ASY 2309 TWS 1107	 Discussion
0102	Pamela Jakiela MW 11:00am - 11:50am F 12:00pm - 12:50pm	Seats (Total: 40) ASY 2309 ARC 1105	 Discussion

AREC365 **World Hunger, Population, and Food Supplies**

AREC365 World Hunger, Population, and Food Supplies; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course. GenEd: Diversity - Understanding Plural Societies.
An introduction to the problem of world hunger and possible solutions to it. World demand, supply, and distribution of food. Alternatives for leveling off world food demand, increasing the supply of food, and improving its distribution. Environmental limitations to increasing world food production.

0101	Kenneth Leonard MWF 1:00pm - 1:50pm	Seats (Total: 300) PHY 1412

AREC382 **Computer-Based Analysis in Agricultural and Resource Economics**

AREC382 Computer-Based Analysis in Agricultural and Resource Economics; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: STAT100 or MATH111; or students who have taken courses with similar or comparable course content may contact the department. And AREC240, ECON200, or AREC250; or students who have taken courses with similar or comparable course content may contact the department. Credit only granted for: AREC182 or AREC382. Formerly: AREC182. Analysis of economic data using computer spreadsheets. Exercises include analyses of forest land shares, farmer willingness to pay, farm production planning, fisheries management, corn prices, and index numbers. Analyses features use of cell formulas, spreadsheet functions, Excel's Data Analysis Tool and Solver. This is a lab course featuring experimental learning.

0101	Charles Towe TuTh 5:00pm - 6:15pm	Seats (Total: 30) PLS 1129

AREC386 **Experiential Learning**

AREC386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: Permission of AGNR-Agricultural & Resource Economics department. Restriction: Junior standing or higher.

Contact department for information to register for this course.

AREC388 **Honors Thesis Research**

AREC388 Honors Thesis Research; (3-6 credits) Grade Method: REG.

0401	Robert Chambers Contact instructor or department for details.	Seats (Total: 5)
3008	Vivian Hoffmann Contact instructor or department for details.	Seats (Total: 5)

3103	Kenneth Leonard	Seats (Total: 5)
	Contact instructor or department for details.	

AREC399 **Special Problems**

AREC399 Special Problems; (1-3 credits) Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

AREC433 **Food and Agricultural Policy**

AREC433 Food and Agricultural Policy; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: ECON326 or ECON306; or students who have taken courses with similar or comparable course content may contact the department.* Economic and political context of governmental involvement in the farm and food sector. Historical programs and current policy issues. Analysis of economic effects of agricultural programs, their benefits and costs, and comparison of policy alternatives. Analyzes the interrelationship among international development, agricultural trade and general economic and domestic agricultural policies.

0101	Howard Leathers	Seats (Total: 80)
	MWF 10:00am - 10:50am	SYM 0200

AREC453 **Natural Resources and Public Policy**

AREC453 Natural Resources and Public Policy; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ECON326 or ECON306; or students who have taken courses with similar or comparable course content may contact the department. Rational use and reuse of natural resources. Theory, methodology, and policies concerned with the allocation of natural resources among alternative uses. Optimum state of conservation, market failure, safe minimum standard, and cost-benefit analysis.

0101	Erik Lichtenberg	Seats (Total: 80)
	TuTh 9:30am - 10:45am	MCB 1207

AREC455 **Economics of Land Use**

AREC455 Economics of Land Use; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: ECON326 or ECON306; or students who have taken courses with similar or comparable course content may contact the department.* Fundamentals of location theory. Microeconomics of land use decisions, including determination of rent and hedonic pricing models. Impacts of government decisions on land use, including regulation (e.g., zoning), incentives (transferable development rights), provision of public services, and infrastructure investments. Impacts of land use on environmental quality, including issues relating to sprawl, agricultural land preservation, and other topics of special interest.

0101	David Newburn	Seats (Total: 80)
	TuTh 11:00am - 12:15pm	SYM 0200

AREC489F **Special Topics in Agricultural and Resources Economics; Econometric Applications in Agricultural, Environmental and Natural Resources**

AREC489F Special Topics in Agricultural and Resources Economics: Econometric Applications in Agricultural, Environmental and Natural Resources; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ECON306 and ECON321. An introduction to the application of econometric techniques to problemsin agriculture, the environment, and natural resources. Emphasison the assumptions and computational techniques necessary to structure, estimate, and test economic models in the fields of agricultural, environmental, and resource economics. Includes single and multiple variable linear regression models, multicollinearity, heteroscedasticity autocorrelation and model specification tests.

0101	Karthik Kalyanaraman	Seats (Total: 30)
	TuTh 2:00pm - 3:15pm	KEY 0123

AREC620 **Optimization in Agricultural and Resource Economics**

AREC620 Optimization in Agricultural and Resource Economics; (3 credits) Grade Method: REG/AUD.
Prerequisite: Must have completed Multivariate calculus and matrix or linear algebra. Mathematical theory of static and dynamic optimization as applied to the economics of agriculture, natural resources and the environment. Topics include necessary and sufficient conditions for constrained optimization, convexity and concavity, duality and the envelope theorem, comparative statics, fixed point theorems, optimal control theory and dynamic programming.

0101	Lars Olson	Seats (Total: 25)	
	W 5:30pm - 8:00pm	SYM 0209	
	W 3:30pm - 5:00pm	SYM 0209	Discussion

AREC623 **Applied Econometrics I**

AREC623 Applied Econometrics I; (4 credits) Grade Method: REG/AUD. *Prerequisite: Differential and integral calculus and linear algebra; or permission of instructor.* Fundamentals of mathematical statistics for applications in econometrics. Development of the standard linear model and variations of assumptions with computer applications to applied econometric problems.

0101	Richard Just, Anna Alberini	Seats (Total: 27)	
	MW 10:00am - 12:30pm	SYM 0215	
	F 10:00am - 12:00pm	SYM 0215	Discussion

AREC625 **Economic Welfare Analysis**

AREC625 Economic Welfare Analysis; (3 credits) Grade Method: REG/AUD. *Also offered as: AREC825. Credit only granted for: AREC625 or AREC825.* The measurement of economic well-being for producers, consumers, and resource owners. Topics include competitive equilibrium, Pareto optimality, market failure, public goods and nonmarket welfare measurement, multimarket considerations, existing distortions, and second best. Applications in economic welfare analysis of agricultural and resource policies are discussed. Also offered as AREC825.

0101	Charles Towe	Seats (Total: 15)	
	TuTh 3:30pm - 4:45pm	SYM 0209	

AREC699 **Special Problems in Agricultural and Resource Economics**

AREC699 *(PermReq)* **Special Problems in Agricultural and Resource Economics; (1-2 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

AREC785 **Advanced Economics of Natural Resources**

AREC785 Advanced Economics of Natural Resources; (3 credits) Grade Method: REG/AUD.
Prerequisite: Permission of AGNR-Agricultural & Resource Economics department; or (ECON603 and AREC623). Also offered as: ECON785. Credit only granted for: AREC785 or ECON785. The use of exhaustible and renewable natural resources from normative and positive points of view. Analysis of dynamic resource problems emphasizing energy, mineral, groundwater, forestry, and fishery resources; optimal, equilibrium, and intergenerational models of resource allocation.

0101	Erik Lichtenberg	Seats (Total: 28)
	MW 12:30pm - 1:45pm	SYM 0209

AREC799 **Master's Thesis Research**

AREC799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

AREC815 **Experimental and Behavioral Economics**

AREC815 Experimental and Behavioral Economics; (3 credits) Grade Method: REG.
Prerequisite: AREC623, AREC624, ECON603, and ECON604; or equivalent. Credit only granted for: AREC815 or AREC869A. Formerly: AREC869A. An overview of the design, implementation, and analysis of experiments motivated by behavioral economics, with a particular focus on experiments in field settings. Topics covered include social preferences, risk aversion, prospect theory, present bias, overconfidence, and limited attention.

0101	Pamela Jakiela	Seats (Total: 25)
	M 2:00pm - 5:00pm	SYM 0115

AREC825 **Advanced Economic Welfare Analysis**

AREC825 Advanced Economic Welfare Analysis; (3 credits) Grade Method: REG/AUD.
Also offered as: AREC625. Credit only granted for: AREC625 or AREC825. Theory of economic welfare measurement, problems of path dependence in evaluating multiple price changes, welfare measurement under risk, general equilibrium welfare measurement with multiple distortions, and applications in evaluation of agricultural and resource policies. Also offered as AREC625.

0101	Charles Towe	Seats (Total: 15)
	TuTh 3:30pm - 4:45pm	SYM 0209

AREC846 **Development Microeconomics**

AREC846 Development Microeconomics; (3 credits) Grade Method: REG/AUD.
Prerequisite: AREC624, ECON603, and AREC623; or equivalent. Formerly: AREC869E. Development economics with focus on issues applicable to rural development and agriculture in developing countries. Content includes both theory and empirical application of theory. Subjects covered include economics of agricultural households, credit and insurance markets, technological progress and learning and institutional economics of developing countries.

0101	Kenneth Leonard	Seats (Total: 20)
	MWF 10:00am - 10:50am	SYM 0209

AREC869P **Advanced Topics in Agricultural Economics; Prospectus Development**

AREC869P *(PermReq)* **Advanced Topics in Agricultural Economics: Prospectus Development; (3 credits)** Grade Method: REG/AUD.

0101	Kenneth McConnell	Seats (Total: 15)
	TuTh 12:45pm - 2:45pm	Location: TBA

AREC898 **Pre-Candidacy Research**

AREC898 *(PermReq)* **Pre-Candidacy Research; (1-8 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

AREC899 **Doctoral Dissertation Research**

AREC899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ARHU Arts and Humanities Fall 2012

ARHU269V **Special Topics in Study Abroad II; Vienna and Budapest Field Study**
Contact department for information to register for this course.

ARHU286 **Experiential Learning**

ARHU286 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. *Prerequisite: Permission of ARHU-College of Arts & Humanities. Restriction: Minimum cumulative GPA of 2.5; and must be in a major in ARHU-College of Arts & Humanities; and must have earned a minimum of 12 credits.* Designed for ARHU students who wish to complete an internship in one of the academic fields covered within the College of Arts and Humanities. In addition to completing their required hours on site, students will be required to attend four weekly seminars at the beginning of the semester to help develop their para-professional goals and understandings.

0101	Paula Nadler	Seats (Total: 20)
	Contact instructor or department for details.	

ARHU298L **Critical Approaches to Traditional and Non-Traditional Literary Forms across Different Cultures**

ARHU298L Critical Approaches to Traditional and Non-Traditional Literary Forms across Different Cultures; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course. GenEd: Distributive Studies - Humanities.
This course will look at the different types of literature (Novel, Short Story, Flash Fiction, Comics, etc.) produced by groups or individuals under diverse circumstances (cultural, historical, political, geographical, economic, philosophical, etc.). The required texts will provide the students with an opportunity to revaluate some commonly underestimated literary forms, such as flash fiction, comics orspoken word poetry and to understand the function of these manifestations in relationship to more traditional (canonical) expressions such as the novel.

FC01	Vivianne Salgado TuTh 5:00pm - 6:15pm *Restricted to students in Freshman Connection.*	Seats (Total: 30) KEY 1117

ARHU299T **Studies in Humanities Technology; Tech Apprentice Program**

ARHU299T *(PermReq)* **Studies in Humanities Technology: Tech Apprentice Program; (3 credits)** Grade Method: REG/P-F/AUD.
Also offered as UNIV299T. Restricted to ARHU students. Prerequisite: permission of department. Click here for more course information.

0101	Deborah Mateik F 10:00am - 12:30pm	Seats (Total: 10) CSS 1410

ARHU318 **Writers' House Colloquium: Creative Writing Across Languages and Cultures**

ARHU318 *(PermReq)* **Writers' House Colloquium: Creative Writing Across Languages and Cultures; (1 credit)** Grade Method: REG.
For Writers' House students only. For further details please contact Johnna Schmidt at jmschmid@umd.edu

0101	Johnna Schmidt W 4:00pm - 5:30pm	Seats (Total: 20) DOR 0128
0201	Lindsay Bernal W 7:00pm - 8:30pm	Seats (Total: 20) DOR 0128

ARHU319 **Writers' House Second Year Colloquium: Form and Theory of Creative Writing**

ARHU319 *(PermReq)* **Writers' House Second Year Colloquium: Form and Theory of Creative Writing; (3 credits)** Grade Method: REG.
For Writers' House students only. For further details please contact Johnna Schmidt jmschmid@umd.edu.

0101	Vivianne Salgado M 5:30pm - 8:00pm Contact instructor or department for details.	Seats (Total: 20) DOR 0128

0201	Laura Lauth M 5:30pm - 8:00pm Contact instructor or department for details.	Seats (Total: 20) DOR 0113

ARHU338 **Undergraduate Teaching Assistantship in the Writers' House**

ARHU338 *(PermReq)* **Undergraduate Teaching Assistantship in the Writers' House; (3 credits)** Grade Method: REG.

0101	Johnna Schmidt Contact instructor or department for details.	Seats (Total: 10)
0201	Vivianne Salgado Contact instructor or department for details.	Seats (Total: 10)

ARHU386 **Experiential Learning**

ARHU386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. GenEd: Distributive Studies - Scholarship in Practice.
Prerequisite: Permission of ARHU-College of Arts & Humanities. Restriction: Junior standing or higher.

0101	Paula Nadler Contact instructor or department for details.	Seats (Total: 20)

ARHU468A **Peer Mentoring Program; Arts and Humanities' Ambassador Program**

ARHU468A *(PermReq)* **Peer Mentoring Program: Arts and Humanities' Ambassador Program; (1 credit)** Grade Method: REG.
Restricted to current ARHU students who will serve as ambassadors for the College of Arts and Humanities.

0101	J Greene Th 4:00pm - 5:30pm	Seats (Total: 50) WDS 1114

ARHU486 **Internship Practicum in Arts and Humanities**

ARHU486 *(PermReq)* **Internship Practicum in Arts and Humanities; (3-6 credits)** Grade Method: REG/P-F.
Prerequisite: Have completed previous internship at U of MD. Restriction: Must be in a major in ARHU-College of Arts & Humanities; and permission of ARHU-College of Arts & Humanities; and minimum cumulative GPA of 2.5; and must have earned a minimum of 60 credits; and Completed 12 credits at U of MD. An internship intended for students who have already completed an internship for credit. ARHU486 must be a different experience from the internship students have already taken for credit. Generally students intern with a different company, but they may continue working for the same company if the job is significantly different. See ARHU internship coordinator for details.

0101	Paula Nadler	Seats (Total: 20)
	Contact instructor or department for details.	

ARHU786 **Leadership and Professional Development Internship**

ARHU786 *(PermReq)* **Leadership and Professional Development Internship; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: Must have completed one semester of full-time graduate study; and permission of ARHU-College of Arts & Humanities. Professional development for graduate students interested in careers in non-academic organizations and in administrative positions in academic institutions. See department graduate program director for internship guidelines and applicability to graduate program requirements.

Contact department for information to register for this course.

ARMY Army Fall 2012

ARMY101 **Basic Military Science I**

ARMY101 Basic Military Science I; (1 credit) Grade Method: REG/P-F/AUD.
An exploration of leadership application through classroom instruction, leadership training and mentorship, adventure exercises and camaraderie. Hands on experience in managerial operations and military techniques. Applied military customs and techniques through physical and mental training.

0101	Curtis Burrell	Seats (Total: 30)	
	Tu 1:00pm - 1:50pm	COL 0113	
	Th 4:00pm - 6:00pm	COL 0100.	Lab

0102	Curtis Burrell	Seats (Total: 30)	
	Tu 9:00am - 9:50am	COL 0113	
	Th 4:00pm - 6:00pm	COL 0100.	Lab

ARMY103 **Basic Army Physical Fitness**

ARMY103 Basic Army Physical Fitness; (2 credits) Grade Method: REG/P-F/AUD. *Recommended: ARMY101.* This course allows beginners to learn the basic Army Physical Fitness program. Through a series of rigorous progressive workouts, the student advances from novice status to meet the requirements of the Army Physical Fitness Test. Course content also introduces students to Army managerial skills and basic military tactics and techniques.

0101	Curtis Burrell	Seats (Total: 80)	
	MWTh 6:30am - 7:30am	COL 3109	

ARMY201 **Army Leadership Development**

ARMY201 Army Leadership Development; (3 credits) Grade Method: REG/P-F/AUD.
Restriction: Sophomore standing or higher. This course is an intensive examination of the Army Leadership Model in practice. The model is compared to leadership styles and techniques from government and industry and the comparative effectiveness of each. Students form their own personal leadership styles.

0101	Terrence McCall	Seats (Total: 30)	
	W 2:00pm - 3:50pm	COL 0113	
	Th 4:00pm - 6:00pm	COL 0113	Lab
	MWTh 6:30am - 7:30am	COL 0113	Lab
0102	Terrence McCall	Seats (Total: 30)	
	Th 12:30pm - 2:20pm	COL 0113	
	Th 4:00pm - 6:00pm	COL 0113	Lab
	MWTh 6:30am - 7:30am	COL 0113	Lab

ARMY301 **Advanced Military Leadership I**

ARMY301 Advanced Military Leadership I; (3 credits) Grade Method: REG.
Prerequisite: Permission of UGST-Army ROTC. Restriction: Junior standing or higher.
Reinforces understanding and application of Army leadership strategies, critical decision making methodologies, physical and mental fitness excellence. Includes a laboratory period in applied leadership, common military tasks and physical fitness.

0101	Terrence McCall	Seats (Total: 40)	
	Tu 3:30pm - 6:15pm	COL 0113	
	Th 4:00pm - 6:00pm	COL 0102	Lab
	MWTh 6:30am - 7:30am	COL 0113	Lab

ARMY401 **Advanced Military Leadership III**

ARMY401 Advanced Military Leadership III; (3 credits) Grade Method: REG.
Prerequisite: Permission of UGST-Army ROTC. Restriction: Senior standing.
Introduces contracted students to the study of Army structure, practices and processes exercised by Army Commanders and Staff in completing personnel, logistics, training and combat operations. Includes a laboratory in applied leadership skills and two field exercises.

0101	Curtis Burrell	Seats (Total: 30)	
	MW 1:00pm - 2:30pm	COL 0100	
	Th 4:00pm - 6:00pm	COL 0101	Lab
	MWTh 6:30am - 7:30am	COL 0113	Lab

ARSC Air Science Fall 2012

ARSC059 **Air Force Officer Lab**

ARSC059 Air Force Officer Lab; (1 credit) Grade Method: S-F.

0101	Vaughn Gonzalez	Seats (Total: 200)	
	Th 7:00am - 8:50am	COL 0101	Lab

ARSC100 **The USAF Today I**

ARSC100 The USAF Today I; (1 credit) Grade Method: REG.
Corequisite: AFROTC cadets must also register for ARSC059. Freshman course for AFROTC cadets. Introduces students to the United States Air Force and encourages participation in Air Force Reserve Officer Training Corps. Featured topics include: overview of ROTC, special programs offered through ROTC, mission and organization of the Air Force, brief history of the Air Force, introduction to leadership and leadership related issues, Air Force Core Values, Air Force officer opportunities, and an introduction to communication studies. Leadership laboratory is mandatory for AFROTC cadets and complements this course by providing cadets with followership experiences. An elective but required for freshmen desiring the four-year AFROTC program.

0101	Lucas Matyi Tu 9:00am - 9:50am	Seats (Total: 18) COL 2126
0102	Lucas Matyi Th 9:00am - 9:50am	Seats (Total: 65) TYD 0117
0103	Lucas Matyi Th 12:00pm - 12:50pm	Seats (Total: 18) COL 0102

ARSC200 **The Development of Air Power I**

ARSC200 The Development of Air Power I; (1 credit) Grade Method: REG/P-F/AUD.
Corequisite: AFROTC cadets must also register for ARSC059. Sophomore course for AFROTC cadets. Study of factors contributing to the development of air power from its earliest beginnings through two world wars; the evolution of air power concepts and doctrine; introductory leadership; and assessment of communicative skills. An elective, but required for sophomores in the four-year AFROTC program. Military cadets must also enroll in ARSC 159.

0101	Dan Shaltanis Th 10:00am - 10:50am	Seats (Total: 52) COL 0101
0103	Marilyn Jenkins Tu 8:00am - 8:50am	Seats (Total: 18) COL 2126

ARSC210 **Field Training**

ARSC210 *(PermReq)* **Field Training; (2 credits)** Grade Method: REG/P-F/AUD. *Corequisite: AFROTC cadets must also register for ARSC059.* Designed to train Air Force officer candidates in the skills of leadership, teamwork, officership, and the profession of arms. Successful completion is mandatory for all candidates in order to complete the AFROTC program and attain an Air Force commission.

0101	Vaughn Gonzalez Contact instructor or department for details.	Seats (Total: 35)

ARSC300 **Management and Leadership I**

ARSC300 *(PermReq)* **Management and Leadership I; (3 credits)** Grade Method: REG.
Corequisite: AFROTC cadets must also register for ARSC059; or permission of UGST-AFROTC-Air Science. Restriction: Junior standing or higher. The study of leadership and management fundamentals, professional knowledge, Air Force doctrine, and written and oral communication skills. Case studies are used to examine leadership and management situations. This course will satisfy credit toward a minor in military studies.

0101	Vaughn Gonzalez Th 9:00am - 12:00pm	Seats (Total: 20) COL 2126
0201	Vaughn Gonzalez TuTh 12:30pm - 2:00pm	Seats (Total: 20) COL 2126

ARSC400 **National Security Forces in Contemporary American Society I**

ARSC400 *(PermReq)* **National Security Forces in Contemporary American Society I; (3 credits)** Grade Method: REG.
Prerequisite: Permission of UGST-AFROTC-Air Science; or (ARSC300 or ARSC301). Corequisite: Concurrently enrolled in ARSC059; or permission of UGST-AFROTC-Air Science. Restriction: Senior standing. Study of American national security policy and processes to include information and implementation, impact of major national and international actors, and development of major policy issues. This course will satisfy credit towards a minor in military studies.

0101	Jiemin Hou Th 9:00am - 12:00pm	Seats (Total: 18) COL 0113

0201	Jiemin Hou TuTh 2:00pm - 3:30pm	Seats (Total: 18) COL 2126	

ARTH Art History & Archaeology Fall 2012

ARTH169I **Special Topics in Study Abroad I; Art of Rome**
Contact department for information to register for this course.

ARTH200 **Art and Society in Ancient and Medieval Europe and the Mediterranean**

ARTH200 Art and Society in Ancient and Medieval Europe and the Mediterranean; (3 credits) Grade Method: REG/P-F/AUD. CORE History or Theory of Arts (HA) Course. GenEd: Distributive Studies - Humanities; Diversity - Understanding Plural Societies.
Examines the material culture and visual expressions of Mediterranean and European societies from early times until ca. 1300 CE, emphasizing the political, social, and religious context of the works studied, the relationships of the works to the societies that created them, and the interrelationship of these societies.

0101	Louise Martinez TuTh 9:30am - 10:20am M 10:00am - 10:50am	Seats (Total: 28) ASY 2203 ASY 3211	 Discussion
0102	Louise Martinez TuTh 9:30am - 10:20am M 11:00am - 11:50am	Seats (Total: 28) ASY 2203 ASY 3211	 Discussion
0103	Louise Martinez TuTh 9:30am - 10:20am W 10:00am - 10:50am	Seats (Total: 28) ASY 2203 ASY 3215	 Discussion
0104	Louise Martinez TuTh 9:30am - 10:20am F 9:00am - 9:50am	Seats (Total: 28) ASY 2203 ASY 3215	 Discussion
0105	Louise Martinez TuTh 9:30am - 10:20am M 9:00am - 9:50am	Seats (Total: 28) ASY 2203 ASY 3215	 Discussion

0106	Louise Martinez TuTh 9:30am - 10:20am W 9:00am - 9:50am	Seats (Total: 28) ASY 2203 ASY 3215	 Discussion

ARTH201 **Art and Society in the West from the Renaissance to the Present**

ARTH201 Art and Society in the West from the Renaissance to the Present; (3 credits) Grade Method: REG/P-F/AUD. CORE History or Theory of Arts (HA) Course. GenEd: Distributive Studies - Humanities; Diversity - Understanding Plural Societies. Examines representative European and American works of art from the later Middle Ages to the present, highlighting the dynamic exchange between artistic and cultural traditions both within periods and across time.

0101	Steven Mansbach MW 9:00am - 9:50am F 9:00am - 9:50am	Seats (Total: 28) ASY 2203 ASY 3211	 Discussion
0102	Steven Mansbach MW 9:00am - 9:50am M 10:00am - 10:50am	Seats (Total: 28) ASY 2203 ASY 3215	 Discussion
0103	Steven Mansbach MW 9:00am - 9:50am W 10:00am - 10:50am	Seats (Total: 28) ASY 2203 ASY 3211	 Discussion
0104	Steven Mansbach MW 9:00am - 9:50am M 11:00am - 11:50am	Seats (Total: 28) ASY 2203 ASY 3215	 Discussion
0105	Steven Mansbach MW 9:00am - 9:50am W 11:00am - 11:50am	Seats (Total: 28) ASY 2203 ASY 3211	 Discussion
0106	Steven Mansbach MW 9:00am - 9:50am F 10:00am - 10:50am	Seats (Total: 28) ASY 2203 ASY 3215	 Discussion
FC01	Steven Cody TuTh 5:00pm - 6:15pm *Restricted to students in Freshman Connection.*	Seats (Total: 24) ASY 3211	

ARTH255 **Art and Society in the Modern American World**

ARTH255 Art and Society in the Modern American World; (3 credits) Grade Method: REG/P-F/AUD. CORE History or Theory of Arts (HA) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - Humanities; Diversity - Understanding Plural Societies.
Explores the origins and evolution of art in the modern American world, from the late colonial era to the present, comparing major artistic movements and their historical contexts. Considers the diversity of art across Latin America and the United States, and the ways in which artworks mediate social, ethnic, political, and national identities.

0101	Abigail McEwen MW 10:00am - 10:50am M 9:00am - 9:50am	Seats (Total: 28) ASY 2203 ASY 3211	 Discussion
0102	Abigail McEwen MW 10:00am - 10:50am M 11:00am - 11:50am	Seats (Total: 28) ASY 2203 ASY 3219	 Discussion
0104	Abigail McEwen MW 10:00am - 10:50am W 11:00am - 11:50am	Seats (Total: 28) ASY 2203 ASY 3207	 Discussion
0105	Abigail McEwen MW 10:00am - 10:50am F 10:00am - 10:50am	Seats (Total: 28) ASY 2203 ASY 3211	 Discussion

ARTH269P **Special Topics in Study Abroad II; From Medieval to Contemporary: Exploring the Great Art and Architecture of Prague**
Contact department for information to register for this course.

ARTH269R **Special Topics in Study Abroad II; Art of Renaissance**
Contact department for information to register for this course.

ARTH275 **Art and Society in Africa**

ARTH275 Art and Society in Africa; (3 credits) Grade Method: REG/P-F/AUD. CORE History or Theory of Arts (HA) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - Humanities; Diversity - Understanding Plural Societies.
A comparative study of art and material culture from various regions of the African continent. Looking across ethnic and national boundaries, considers the many relevant political, social, and religious contexts.

0101	Renee Ater MW 11:00am - 11:50am M 9:00am - 9:50am	Seats (Total: 28) ASY 2203 ASY 3219	 Discussion
0104	Renee Ater MW 11:00am - 11:50am M 10:00am - 10:50am	Seats (Total: 28) ASY 2203 ASY 3219	 Discussion
0106	Renee Ater MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 28) ASY 2203 ASY 3219	 Discussion

ARTH290 **Art and Society in Asia**

ARTH290 Art and Society in Asia; (3 credits) Grade Method: REG/P-F/AUD. CORE History or Theory of Arts (HA) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - Humanities; Diversity - Understanding Plural Societies.
A comparative, interrelational study of the different visual arts and material cultures produced by societies in Asia. An examination of the historical traditions and forms in political, social, and religious contexts.

0101	Jason Kuo TuTh 11:00am - 11:50am M 9:00am - 9:50am	Seats (Total: 28) ASY 2203 ASY 3207	 Discussion
0102	Jason Kuo TuTh 11:00am - 11:50am W 9:00am - 9:50am	Seats (Total: 28) ASY 2203 ASY 3207	 Discussion
0103	Jason Kuo TuTh 11:00am - 11:50am W 10:00am - 10:50am	Seats (Total: 28) ASY 2203 ASY 3207	 Discussion

0104	Jason Kuo TuTh 11:00am - 11:50am W 11:00am - 11:50am	Seats (Total: 28) ASY 2203 ASY 3219	Discussion
0105	Jason Kuo TuTh 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 28) ASY 2203 ASY 3207	Discussion
0106	Jason Kuo TuTh 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 28) ASY 2203 ASY 3215	Discussion

ARTH303 **Roman Art and Archaeology**
Contact department for information to register for this course.

ARTH313 **Early Medieval Art**

ARTH313 Early Medieval Art; (3 credits) Grade Method: REG/P-F/AUD.
Painting, sculpture and architecture in Western Europe, ca. 500-1150. Also offered as RELS319A. Credit will be granted for one of the following: ARTH313 or RELS319A.

0101	Lauree Sails TuTh 2:00pm - 3:15pm	Seats (Total: 30) ASY 3215

ARTH323 **Fifteenth-Century Italian Renaissance Art**

ARTH323 Fifteenth-Century Italian Renaissance Art; (3 credits) Grade Method: REG/P-F/AUD.
Painting, sculpture, architecture, and the decorative arts of the fifteenth century in Italy. Also offered as RELS319B. Credit will be granted for one of the following: ARTH323 or RELS319B.

0101	Meredith Gill TuTh 11:00am - 12:15pm	Seats (Total: 30) ASY 3211

ARTH324 **Sixteenth-Century Italian Renaissance Art**
Contact department for information to register for this course.

ARTH350 **Twentieth-Century Art to 1945**

ARTH350 Twentieth-Century Art to 1945; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ARTH201. Painting, sculpture, and architecture in Europe and America from the late nineteenth century to the end of World War II.

0101	Greg Metcalf	Seats (Total: 30)
	TuTh 2:00pm - 3:15pm	ASY 3211

ARTH351 **Art Since 1945**

ARTH351 Art Since 1945; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ARTH201 or ARTH350. Visual art since 1945, with an emphasis on North America and Europe.

0101	Joshua Shannon	Seats (Total: 30)
	TuTh 9:30am - 10:45am	ASY 3211

ARTH369P **Special Topics in Study Abroad III; History and Workshop of Latin America Photography Contact department for information to register for this course.**

ARTH382 **Art of Japan before 1500**

ARTH382 Art of Japan before 1500; (3 credits) Grade Method: REG/P-F/AUD.
Credit only granted for: ARTH382 or ARTH384. Formerly: ARTH384. Thematically-focused topics in painting, sculpture, architecture and decorative arts of early and medieval Japan, from 5000 BC to 1500 AD.

0101	Yui Suzuki	Seats (Total: 30)
	TuTh 9:30am - 10:45am	ASY 3215

ARTH383 **Art of Japan after 1500**

ARTH383 Art of Japan after 1500; (3 credits) Grade Method: REG/P-F/AUD.
Credit only granted for: (ARTH382 and ARTH383) or ARTH384. Formerly: ARTH384. Thematically-focused topics in the painting, sculpture, architecture, gardens and decorative arts of early modern, modern and contemporary Japan, from 1500 to present.

0101	Alicia Volk TuTh 11:00am - 12:15pm	Seats (Total: 30) ASY 3215

ARTH386 **Experiential Learning**

ARTH386 Experiential Learning; (3-6 credits) Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number. *Prerequisite: Permission of ARHU-Art History & Archaeology department. Restriction: Junior standing or higher.*

Contact department for information to register for this course.

ARTH389A **Special Topics in Art History and Archaeology; Western Film and the Vision of the West**

ARTH389A Special Topics in Art History and Archaeology: Western Film and the Vision of the West; (3 credits) Grade Method: REG/P-F/AUD.

0101	Greg Metcalf W 3:00pm - 6:30pm	Seats (Total: 30) HBK ROOM J

ARTH389L **Special Topics in Art History and Archaeology; Modern Latin American Art to 1945**

ARTH389L Special Topics in Art History and Archaeology: Modern Latin American Art to 1945; (3 credits) Grade Method: REG/P-F/AUD.

0101	Abigail McEwen MW 3:00pm - 4:15pm	Seats (Total: 30) ASY 3215

ARTH389M **Special Topics in Art History and Archaeology; Art History and the Museum World**

ARTH389M Special Topics in Art History and Archaeology: Art History and the Museum World; (3 credits) Grade Method: REG/P-F/AUD.

This course, intended for upper division students who are majoring in art history, will explore art historical practices outside the academic environment. The focus will be on the ways in which art historical knowledge is put to use in the museum environment, with emphasis on curatorial work, preservation and building of collections, display of works of art, and outreach programs that promote a meaningful relationship between museums and their audiences. Most of the weekly sessions will take place on campus within the scheduled time frame, but there will also be special visits to museums and other art institutions in the Washington area, typically on Friday afternoons. Each of these visits will introduce a particular aspect of museum work through a conversation with museum professionals and/or guided tours through different departments. The main goal is to familarize students with various ways in which training in art history can serve as the basis for a variety of career paths outside academia, especially in the museum environment.

0101	Aneta Georgievska-Shine	Seats (Total: 15)
	F 2:00pm - 4:30pm	ASY 3211

ARTH488B **Colloquium in Art History; Modern and Contemporary Art of Africa**

ARTH488B Colloquium in Art History: Modern and Contemporary Art of Africa; (3 credits) Grade Method: REG/P-F/AUD.

0101	Shannen Hill	Seats (Total: 10)
	TuTh 9:30am - 10:45am	ASY 3217

ARTH488G **Colloquium in Art History; Renaissance Portraits**

ARTH488G Colloquium in Art History: Renaissance Portraits; (3 credits) Grade Method: REG/P-F/AUD.

0101	Louise Martinez	Seats (Total: 10)
	TuTh 11:00am - 12:15pm	ASY 3217

ARTH489B **Special Topics in Art History; Global Africa**

ARTH489B Special Topics in Art History: Global Africa; (3 credits) Grade Method: REG/P-F/AUD.

0101	Shannen Hill TuTh 12:30pm - 1:45pm	Seats (Total: 30) ASY 3211

ARTH489F **Special Topics in Art History; Modern Chinese Film and Visual Culture**

ARTH489F Special Topics in Art History: Modern Chinese Film and Visual Culture; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as FILM426.

0101	Jason Kuo TuTh 12:30pm - 1:45pm	Seats (Total: 30) HBK 0302J

ARTH489H **Special Topics in Art History; Art in London (Honors)**
Contact department for information to register for this course.

ARTH489M **Special Topics in Art History; Myth in Renaissance and Baroque Art**

ARTH489M Special Topics in Art History: Myth in Renaissance and Baroque Art; (3 credits) Grade Method: REG/P-F/AUD.

0101	Aneta Georgievska-Shine M 3:00pm - 5:30pm	Seats (Total: 30) ASY 3211

ARTH489Z **Special Topics in Art History; Art in London**
Contact department for information to register for this course.

ARTH498 **Directed Studies in Art History I**

ARTH498 *(PermReq)* **Directed Studies in Art History I; (2-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ARTH499 **Honors Thesis**

ARTH499 *(PermReq)* **Honors Thesis; (3-6 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ARTH619 **Studies in Italian Renaissance Art**

ARTH619 *(PermReq)* **Studies in Italian Renaissance Art; (3 credits)** Grade Method: REG/AUD.

0101	Meredith Gill Th 3:00pm - 5:40pm	Seats (Total: 8) ASY 4304

ARTH658 **Studies in American Art**

ARTH658 *(PermReq)* **Studies in American Art; (3 credits)** Grade Method: REG/AUD.

0101	Renee Ater W 3:00pm - 5:40pm	Seats (Total: 8) ASY 4304

ARTH692 **Methods of Art History**

ARTH692 *(PermReq)* **Methods of Art History; (3 credits)** Grade Method: REG/AUD. Methods of research and criticism applied to typical art-historical problems; bibliography and other research tools. For all non-Art History and Archaeology majors, permission of the department is required.

0101	Anthony Colantuono Tu 12:00pm - 2:40pm	Seats (Total: 8) ASY 4304

ARTH739 **Seminar in Seventeenth-Century Northern European Art**

ARTH739 *(PermReq)* **Seminar in Seventeenth-Century Northern European Art; (3 credits)** Grade Method: REG/AUD.

0101	Arthur Wheelock M 3:00pm - 5:40pm	Seats (Total: 8) ASY 4304

ARTH759 **Seminar in Twentieth-Century Art**

ARTH759 *(PermReq)* **Seminar in Twentieth-Century Art; (3 credits)** Grade Method: REG/AUD.

0101	Steven Mansbach	Seats (Total: 8)
	M 12:00pm - 2:40pm	ASY 4304

ARTH798 **Directed Graduate Studies in Art History**

ARTH798 *(PermReq)* **Directed Graduate Studies in Art History; (3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ARTH799 **Master's Thesis Research**

ARTH799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ARTH898 **Pre-Candidacy Research**

ARTH898 *(PermReq)* **Pre-Candidacy Research; (1-8 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ARTH899 **Doctoral Dissertation Research**

ARTH899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ARTT Art Studio Fall 2012

ARTT100 **Two-Dimensional Design Fundamentals**

ARTT100 Two-Dimensional Design Fundamentals; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Scholarship in Practice.
Principles and elements of two-dimensional design. Introduction to visual communication. Students must pay a $40.00 laboratory studio fee.

0101	Wendy Jacobs MW 9:00am - 11:30am	Seats (Total: 18) ASY 2318	Lab
0201	Wendy Jacobs MW 9:00am - 11:30am	Seats (Total: 18) ASY 2314	Lab
0301	James Thorpe TuTh 12:30pm - 3:00pm	Seats (Total: 18) ASY 2318	Lab
0401	James Thorpe TuTh 12:30pm - 3:00pm	Seats (Total: 18) ASY 2314	Lab
0501	Lauren Boilini TuTh 3:00pm - 5:30pm	Seats (Total: 18) ASY 2318	Lab
0601	Lauren Boilini TuTh 3:00pm - 5:30pm	Seats (Total: 18) ASY 2314	Lab
0701	Wendy Jacobs MW 12:30pm - 3:00pm	Seats (Total: 18) ASY 2318	Lab
0801	Wendy Jacobs MW 12:30pm - 3:00pm	Seats (Total: 18) ASY 2314	Lab
0901	Michael Booker MW 3:00pm - 5:30pm	Seats (Total: 18) ASY 2318	Lab
1001	Michael Booker MW 3:00pm - 5:30pm	Seats (Total: 18) ASY 2314	Lab

ARTT110 **Elements of Drawing I**

ARTT110 Elements of Drawing I; (3 credits) Grade Method: REG/P-F. GenEd: Distributive Studies - Scholarship in Practice.
Formerly ARTS110. Fundamental concepts, media, and processes of drawing. Emphasis on observation and representation in combination with individual expression. Subject matter includes still life, human figure, nature, the built environment, and conceptual projects. Students must pay a $40.00 laboratory studio fee.

0101	Lillian Hoover MW 9:00am - 11:30am	Seats (Total: 18) ASY 2317	Lab
0201	Lillian Hoover MW 9:00am - 11:30am	Seats (Total: 18) ASY 2321	Lab
0301	Felicia Glidden TuTh 6:00pm - 8:30pm	Seats (Total: 18) ASY 2317	Lab
0401	Felicia Glidden TuTh 6:00pm - 8:30pm	Seats (Total: 18) ASY 2321	Lab
0501	Leslie Berns TuTh 9:00am - 11:30am	Seats (Total: 18) ASY 2317	Lab
0701	Dawn Gavin MW 3:00pm - 5:30pm	Seats (Total: 18) ASY 2321	Lab
0801	Dawn Gavin MW 3:00pm - 5:30pm	Seats (Total: 18) ASY 2317	Lab
0901	Lauren Boilini TuTh 12:30pm - 3:00pm	Seats (Total: 18) ASY 2317	Lab
1001	Lauren Boilini TuTh 12:30pm - 3:00pm	Seats (Total: 18) ASY 2321	Lab

ARTT110S **Elements of Drawing I**

ARTT110S Elements of Drawing I; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Scholarship in Practice.
Formerly ARTS110. Fundamental concepts, media, and processes of drawing. Emphasis on observation and representation in combination with individual expression. Subject matter includes still life, human figure, nature, the built environment, and conceptual projects. Restricted to College Park Scholars - Arts. Students must pay a $40.00 laboratory studio fee.

0601	Leslie Berns TuTh 9:00am - 11:30am	Seats (Total: 18) ASY 2321	Lab

ARTT150 **Introduction to Art Theory**

ARTT150 Introduction to Art Theory; (3 credits) Grade Method: REG/P-F/AUD. CORE History or Theory of Arts (HA) Course. GenEd: Distributive Studies - Humanities.

Fundamental concepts of global, philosophic, and critical art theory examined through various historic and contemporary texts, and the analysis of works of art.

0101	Richard Klank MW 1:00pm - 1:50pm M 11:00am - 11:50am	Seats (Total: 25) ASY 2309 ASY 3221	 Discussion
0102	Richard Klank MW 1:00pm - 1:50pm W 11:00am - 11:50am	Seats (Total: 25) ASY 2309 ASY 3221	 Discussion
0103	Richard Klank MW 1:00pm - 1:50pm W 12:00pm - 12:50pm	Seats (Total: 25) ASY 2309 ASY 3221	 Discussion
0201	Rex Weil TuTh 3:30pm - 4:20pm Tu 2:00pm - 2:50pm	Seats (Total: 25) ASY 2309 ASY 3221	 Discussion
0202	Rex Weil TuTh 3:30pm - 4:20pm Th 2:30pm - 3:20pm	Seats (Total: 25) ASY 2309 ASY 3221	 Discussion
0203	Rex Weil TuTh 3:30pm - 4:20pm Th 12:30pm - 1:20pm	Seats (Total: 25) ASY 2309 ASY 3221	 Discussion
FC01	Rex Weil TuTh 6:30pm - 7:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 15) ASY 3211	
FC02	Leslie Berns MW 3:00pm - 4:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 20) ASY 3221	

ARTT169I **Special Topics in Study Abroad I; Art of Rome**

Contact department for information to register for this course.

ARTT200 **Three-Dimensional Art Fundamentals**

ARTT200 Three-Dimensional Art Fundamentals; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ARTT100 and ARTT110. Fundamental concepts of three-dimensional form and space examined through the manipulation and organization of various materials. Students must pay a $40.00 laboratory studio fee.

0101	Patrick McGowan MW 3:00pm - 5:30pm	Seats (Total: 18) ASY 1311	 Lab
0201	Lauren Evans TuTh 12:30pm - 3:00pm	Seats (Total: 18) ASY 1311	 Lab
0301	Steven Jones MW 9:00am - 11:30am	Seats (Total: 18) ASY 1314	 Lab
0401	Steven Jones MW 12:30pm - 3:00pm	Seats (Total: 18) ASY 1311	 Lab

ARTT210 **Elements of Drawing II**

ARTT210 Elements of Drawing II; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ARTT110. Continuation of ARTT110 with additional emphasis on color, figure drawing, and contemporary issues. Students must pay a $40.00 laboratory studio fee.

0101	Patrice Kehoe TuTh 12:30pm - 3:00pm	Seats (Total: 18) ASY 2315	 Lab
0201	Felicia Glidden MW 3:00pm - 5:30pm	Seats (Total: 18) ASY 2315	 Lab
0301	Emily Conover MW 9:00am - 11:30am	Seats (Total: 18) ASY 2315	 Lab
0401	Jesse Burrowes TuTh 3:00pm - 5:30pm	Seats (Total: 18) ASY 2315	 Lab

ARTT255 **Introduction to Digital Art and Design Processes**

ARTT255 Introduction to Digital Art and Design Processes; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ARTT100 and ARTT110. Credit only granted for: ARTT255 or ARTT354. Formerly: ARTT354. Introduction to basic software and principles of digital imaging, and how they are applied to art and design. Topics covered: Digital image construction and manipulation, Vector-Based digital techniques layout, typography, etc), time-based digital techniques (video and audio composition and manipulation), and basic interactivity (web-design). Digital media used to explore visual principles established in ARTT100. Students must pay a $40.00 studio lab fee.

0101	Narendra Ratnapala MW 9:00am - 11:30am	Seats (Total: 24) CSS 1410	Lab
0201	Narendra Ratnapala TuTh 3:30pm - 6:00pm	Seats (Total: 24) CSS 1410	Lab
0301	Shannon Collis MW 1:00pm - 3:30pm	Seats (Total: 24) CSS 1410	Lab

ARTT269R **Special Topics in Study Abroad II; Art of Renaissance**
Contact department for information to register for this course.

ARTT320 **Elements of Painting**

ARTT320 Elements of Painting; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ARTT200, ARTT210, and ARTT150; or permission of ARHU-Art department. Concepts and fundamental processes of oil and/or acrylic painting. Students must pay a $40.00 laboratory studio fee.

0101	Patrick Craig TuTh 12:30pm - 3:00pm *Emphasizes acrlic paint.*	Seats (Total: 20) ASY 3312	Lab
0201	Richard Klank MW 9:00am - 11:30am	Seats (Total: 13) ASY 3318	Lab
0301	Patrice Kehoe TuTh 3:00pm - 5:30pm	Seats (Total: 20) ASY 3312	Lab

ARTT330 **Elements of Sculpture: Metal Casting**

ARTT330 Elements of Sculpture: Metal Casting; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ARTT200, ARTT210, and ARTT150; or permission of ARHU-Art department. Sculptural concepts and fundamental processes related to metal casting. Students must pay a $40.00 laboratory studio fee.

0101	John Ruppert	Seats (Total: 12)	
	MW 12:30pm - 3:00pm	ASY 1310	Lab

ARTT330H **Elements of Sculpture: Metal Casting**

ARTT330H *(PermReq)* **Elements of Sculpture: Metal Casting; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ARTT200, ARTT210, and ARTT150; or permission of ARHU-Art department. Sculptural concepts and fundamental processes related to metal casting. Students must pay a $40.00 laboratory studio fee.

0101	John Ruppert	Seats (Total: 2)	
	MW 12:30pm - 3:00pm	ASY 1310	Lab

ARTT331 **Elements of Sculpture: Steel**

ARTT331 Elements of Sculpture: Steel; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ARTT200, ARTT210, and ARTT150; or permission of ARHU-Art department. Sculptural concepts and fundamental processes related to steel fabrication; torch cutting, welding, hot forging, and finishing. Students must pay a $40.00 laboratory studio fee.

0101	Jesse Burrowes	Seats (Total: 12)	
	TuTh 12:30pm - 3:00pm	ASY 1314	Lab

ARTT333 **Elements of Sculpture: Wood and Mixed Media**

ARTT333 Elements of Sculpture: Wood and Mixed Media; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ARTT200, ARTT210, and ARTT150; or permission of ARHU-Art department. Sculptural concepts and fundamental processes using wood and mixed media. Students must pay a $40.00 laboratory studio fee.

0101	Mark Earnhart	Seats (Total: 12)	
	TuTh 3:00pm - 5:30pm	ASY 1311	Lab

ARTT333H **Elements of Sculpture: Wood and Mixed Media**

ARTT333H *(PermReq)* **Elements of Sculpture: Wood and Mixed Media; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ARTT200, ARTT210, and ARTT150; or permission of ARHU-Art department. Sculptural concepts and fundamental processes using wood and mixed media. This course is restricted to departmental honors students only. Students must pay a $40.00 laboratory studio fee.

0101	Foon Sham	Seats (Total: 2)	
	TuTh 3:00pm - 5:30pm	ASY 1311	Lab

ARTT340 **Elements of Printmaking: Intaglio**

ARTT340 Elements of Printmaking: Intaglio; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ARTT200, ARTT210, and ARTT150; or permission of ARHU-Art department. Concepts and fundamental processes related to etching, aquatint, and drypoint. Students must pay a $40.00 laboratory studio fee.

0101	Brian Garner	Seats (Total: 12)	
	MW 12:30pm - 3:00pm	ASY 1317	Lab

ARTT340H **Elements of Printmaking: Intaglio**

ARTT340H *(PermReq)* **Elements of Printmaking: Intaglio; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ARTT200, ARTT210, and ARTT150; or permission of ARHU-Art department. Concepts and fundamental processes related to etching, aquatint, and drypoint. Student's must pay a $40.00 laboratory fee.

0101	Margo Humphrey	Seats (Total: 2)	
	MW 12:30pm - 3:00pm	ASY 1317	Lab

ARTT341 **Elements of Printmaking: Woodcut and Relief**

ARTT341 Elements of Printmaking: Woodcut and Relief; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ARTT200, ARTT210, and ARTT150; or permission of ARHU-Art department. Concepts and fundamental processes related to woodcuts, linocuts, and other relief printing media. Students must pay a $40 materials fee.

0101	Alexander Peace	Seats (Total: 8)	
	TuTh 3:00pm - 5:30pm	ASY 1317	

ARTT343 **Elements of Printmaking: Screen Printing**

ARTT343 Elements of Printmaking: Screen Printing; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ARTT200, ARTT210, and ARTT150; or permission of ARHU-Art department. Concepts and fundamental processes related to silkscreen printing. Students must pay a $40.00 laboratory studio fee.

0101	Alexander Peace	Seats (Total: 8)	
	TuTh 12:30pm - 3:00pm	ASY 1317	Lab

ARTT343H **Elements of Printmaking: Screen Printing**

ARTT343H *(PermReq)* **Elements of Printmaking: Screen Printing; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ARTT200, ARTT210, and ARTT150; or permission of ARHU-Art department. Concepts and fundamental processes related to silkscreen printing. This course is restricted to departmental honors students only. Students must pay a $40.00 laboratory studio fee.

0101	Justin Strom	Seats (Total: 2)	
	TuTh 12:30pm - 3:00pm	ASY 1317	Lab

ARTT344 **Elements of Printmaking: Lithography**

ARTT344 Elements of Printmaking: Lithography; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ARTT200, ARTT210, and ARTT150; or permission of ARHU-Art department. Concepts and fundamental processes related to drawing, preparing, and printing images on lithograph stones or plates. Students must pay a $40.00 laboratory studio fee.

0101	Brian Garner	Seats (Total: 12)	
	MW 9:00am - 11:30am	ASY 1317	Lab

ARTT344H **Elements of Printmaking: Lithography**

ARTT344H *(PermReq)* **Elements of Printmaking: Lithography; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ARTT200, ARTT210, and ARTT150; or permission of ARHU-Art department. Concepts and fundamental processes related to drawing, preparing, and printing images on lithograph stones or plates. Students must pay a $40.00 laboratory studio fee.

0101	Margo Humphrey	Seats (Total: 2)	
	MW 9:00am - 11:30am	ASY 1317	Lab

ARTT353 **Elements of Photography**

ARTT353 Elements of Photography; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ARTT200, ARTT210, and ARTT150; or permission of ARHU-Art department. Introduction to black-and-white photography. Basic technical and aesthetic vocabulary, camera mechanics and darkroom techniques. Introduction to the photographic message and meaning in both fine art and design concept. Students must pay a $40.00 laboratory studio fee. SLR film camera required.

0101	Sora Devore	Seats (Total: 10)	
	MW 9:00am - 11:30am	MMH 0401	Lab
0201	Sora Devore	Seats (Total: 10)	
	MW 12:30pm - 3:00pm	MMH 0401	

ARTT355 **Intermediate Graphic Design Principles**

ARTT355 *(PermReq)* **Intermediate Graphic Design Principles; (3 credits)** Grade Method: REG.
Prerequisite: ARTT150, ARTT200, ARTT210, and ARTT255; and Must be admitted to the Graphic Design Concentration (Track 3). Credit only granted for: ARTT350 or ARTT355. Formerly: ARTT350. Investigation of basic concepts, history, techniques, and materials used by professional graphic designers, focusing on typography. Explores various aspects of design related to typography through examination and production of many types of finished work. Students must pay $40.00 laboratory fee.

0101	Audra Buck-Coleman	Seats (Total: 20)	
	MW 9:00am - 11:30am	ASY 2322	Lab

ARTT356 **Graphic Design Processes**

ARTT356 *(PermReq)* **Graphic Design Processes; (3 credits)** Grade Method: REG.
Prerequisite: ARTT150, ARTT200, ARTT210, and ARTT255; and Must have been admitted to Graphic Design Concentration (Track 3). Credit only granted for: ARTT351 or ARTT356. Formerly: ARTT351. Explores computer graphics and visual communcation principles in a time-based context. Examination of fundamental design principles through digital projects that involve photo manipulation, digital illustration, layout, animation, and web design. Students must pay $40.00 laboratory fee.

0101	James Thorpe	Seats (Total: 20)	
	TuTh 9:00am - 11:30am	ASY 2322	Lab

ARTT369P **Special Topics in Study Abroad III; Spain Seen by Photography**
Contact department for information to register for this course.

ARTT370 **Elements of Digital Media**

ARTT370 Elements of Digital Media; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ARTT150, ARTT200, ARTT210, and ARTT255; or permission of ARHU-Art department. Exploration of image creation and manipulation, interactivity, and linkages between digital audio and video. Emphasis on issues in contemporary digital art. Students must pay $40.00 laboratory fee.

0101	Brandon Morse	Seats (Total: 14)	
	TuTh 12:30pm - 3:00pm	ASY 3311E	Lab

ARTT386 **Experiential Learning**

ARTT386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: Permission of ARHU-Art department. Restriction: Junior standing or higher.

Contact department for information to register for this course.

ARTT389 **Department of Art Undergraduate Teaching Assistantship**

ARTT389 *(PermReq)* **Department of Art Undergraduate Teaching Assistantship; (3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ARTT399 **Department of Art Research Assistantship**

ARTT399 *(PermReq)* **Department of Art Research Assistantship; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ARTT418A **Advanced Drawing Studio; Experimental Techniques in Drawing**

ARTT418A Advanced Drawing Studio: Experimental Techniques in Drawing; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ARTT150, ARTT200, and ARTT210; plus one 300-level studio course; or permission of department.Repeatable to 12 credits. Multi-level drawing studio emphasizing advanced concepts and processes related to drawing; emphasis on contemporary art issues and individual directions. Students must pay a $40.00 laboratory studio fee.

0101	Lillian Hoover	Seats (Total: 18)	
	MW 12:30pm - 3:00pm	ASY 2315	Lab

ARTT418B **Advanced Drawing Studio; A Contemporary Approach**

ARTT418B Advanced Drawing Studio: A Contemporary Approach; (3 credits)
Grade Method: REG/P-F/AUD.
Prerequisite: ARTT150, ARTT200, and ARTT210; plus one 300-level studio course; or permission of department. Repeatable to 12 credits. Multi-level drawing studio emphasizing advanced concepts and processes related to drawing; emphasis on contemporary art issues and individual directions. Students must pay a $40.00 laboratory studio fee.

0101	Felicia Glidden TuTh 9:00am - 11:30am	Seats (Total: 18) ASY 2315	Lab
0201	Dawn Gavin MW 12:30pm - 3:00pm	Seats (Total: 18) ASY 2317	Lab
0301	Patrick Craig TuTh 3:00pm - 5:30pm	Seats (Total: 18) ASY 2317	Lab

ARTT418H **Advanced Drawing Studio; Honors Drawing: A Contemporary Approach**

ARTT418H *(PermReq)* **Advanced Drawing Studio: Honors Drawing: A Contemporary Approach; (3 credits)** Grade Method: REG/P-F/AUD.
Restricted to departmental honors students only. Students must pay a $40.00 laboratory studio fee.

0201	Dawn Gavin MW 12:30pm - 3:00pm	Seats (Total: 2) ASY 2317	Lab
0301	Patrick Craig TuTh 3:00pm - 5:30pm	Seats (Total: 2) ASY 2317	Lab

ARTT428 **Advanced Painting Studio; Painting**

ARTT428 Advanced Painting Studio: Painting; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ARTT320 or permission of the department. Repeatable to 12 credits. Multi-level painting studio emphasizing advanced concepts and processes related to oil and acrylic painting; emphasis on contemporary art issues and individual directions. Students must pay a $40.00 laboratory studio fee.

0101	William Richardson TuTh 12:30pm - 3:00pm	Seats (Total: 20) ASY 3318	Lab
0201	Emily Conover MW 3:00pm - 5:30pm *Emphasizes acrylic paint.*	Seats (Total: 20) ASY 3316	Lab
0301	Richard Klank MW 9:00am - 11:30am	Seats (Total: 8) ASY 3322	Lab

ARTT428H **Advanced Painting Studio; Honors Painting**

ARTT428H *(PermReq)* **Advanced Painting Studio: Honors Painting; (3 credits)** Grade Method: REG/P-F/AUD.
Restricted to departmental honors students only. Students must pay a $40.00 laboratory studio fee.

0101	William Richardson TuTh 12:30pm - 3:00pm	Seats (Total: 2) ASY 3318	Lab
0301	Richard Klank MW 9:00am - 11:30am	Seats (Total: 2) ASY 3322	Lab

ARTT428X **Advanced Painting Studio; Advanced Painting Studio**
Contact department for information to register for this course.

ARTT438C **Advanced Sculpture Studio; Steel Sculpture**

ARTT438C Advanced Sculpture Studio: Steel Sculpture; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ARTT331 or permission of instructor. Repeatable to 12 credits. Multi-level sculpture studio; continuation of media-specific sculpture courses with emphasis on contemporary art issues and individual directions in chosen media. Students must pay a $40.00 laboratory studio fee.

0101	Jesse Burrowes TuTh 12:30pm - 3:00pm	Seats (Total: 6) ASY 1314	Lab

ARTT438D **Advanced Sculpture Studio; Wood and Mixed Media**

ARTT438D *(PermReq)* **Advanced Sculpture Studio: Wood and Mixed Media; (3 credits)** Grade Method: REG/P-F/AUD.
Repeatable to 12 credits. Multi-level sculpture studio; continuation of media-specific sculpture courses with emphasis on contemporary art issues and individual directions in chosen media. Students must pay a $40.00 laboratory studio fee.

0101	Mark Earnhart TuTh 3:00pm - 5:30pm	Seats (Total: 4) ASY 1311	

ARTT438E **Advanced Sculpture Studio; Form, Space, and Material**

ARTT438E Advanced Sculpture Studio: Form, Space, and Material; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: One 300-level sculpture course or permission of the department.
Repeatable to 12 credits if content differs. Through a series of studio assignments and readings, students investigate the physical and experiential potential of sculpture. Students will be encouraged to consider time, sound, and light as elements in their work.Students must pay $40.00 laboratory fee.

0101	John Ruppert MW 3:00pm - 5:30pm	Seats (Total: 14) ASY 1314	Lab

ARTT438H **Advanced Sculpture Studio; Honors Sculpture**

ARTT438H *(PermReq)* **Advanced Sculpture Studio: Honors Sculpture; (3 credits)** Grade Method: REG/P-F/AUD.
Restricted to departmental honors students only. Students must pay a $40.00 laboratory studio fee.

0101	Foon Sham TuTh 3:00pm - 5:30pm	Seats (Total: 2) ASY 1311	
0201	John Ruppert MW 3:00pm - 5:30pm	Seats (Total: 2) ASY 1314	
0301	John Ruppert MW 12:30pm - 3:00pm	Seats (Total: 2) ASY 1314	

ARTT438I **Advanced Sculpture Studio; Metal Casting**

ARTT438I Advanced Sculpture Studio: Metal Casting; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ARTT330 or permission of instructor. Repeatable to 12 credits. Multi-level sculpture studio; continuation of media-specific sculpture courses with emphasis on contemporary art issues and individual directions in chosen media. Students must pay a $40.00 laboratory studio fee.

0101	John Ruppert	Seats (Total: 4)	
	MW 12:30pm - 3:00pm	ASY 1310	Lab

ARTT448A **Advanced Printmaking Studio; Intaglio**

ARTT448A Advanced Printmaking Studio: Intaglio; (3 credits) Grade Method: REG/P-F/AUD.
Multi-level printmaking studio; continuation of media-specific printmaking courses with emphasis on contemporary art issues and individual directions in chosen media. Students must pay a $40.00 laboratory studio fee.

0101	Brian Garner	Seats (Total: 4)	
	MW 12:30pm - 3:00pm	ASY 1317	Lab

ARTT448B **Advanced Printmaking Studio; Lithography**

ARTT448B Advanced Printmaking Studio: Lithography; (3 credits) Grade Method: REG/P-F/AUD.
Multi-level printmaking studio; continuation of media-specific printmaking courses with emphasis on contemporary art issues and individual directions in chosen media. Students must pay a $40.00 laboratory studio fee.

0101	Brian Garner	Seats (Total: 6)	
	MW 9:00am - 11:30am	ASY 1317	Lab

ARTT448C **Advanced Printmaking Studio; Woodcut Relief**

ARTT448C Advanced Printmaking Studio: Woodcut Relief; (3 credits) Grade Method: REG/P-F/AUD.
Multi-level printmaking studio; continuation of media-specific printmaking courses with emphasis on contemporary art issues and individual directions in chosen media. Students must pay a $40.00 laboratory studio fee.

0101	Alexander Peace TuTh 3:00pm - 5:30pm	Seats (Total: 4) ASY 1317	 Lab

ARTT448E **Advanced Printmaking Studio; Advanced Print Making; Screen Printing**

ARTT448E Advanced Printmaking Studio: Advanced Print Making; Screen Printing; (3 credits) Grade Method: REG/P-F/AUD.
Multi-level printmaking studio; continuation of media-specific printmaking courses with emphasis on contemporary art issues and individual directions in chosen media. Students must pay a $40.00 laboratory studio fee.

0101	Alexander Peace TuTh 12:30pm - 3:00pm	Seats (Total: 4) ASY 1317	 Lab

ARTT448F **Advanced Printmaking Studio; Monoprints and Mixed Media**

ARTT448F Advanced Printmaking Studio: Monoprints and Mixed Media; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: One 300-level printmaking course or permission of the department. Multi-level printmaking studio; continuation of media-specific printmaking courses with emphasis on contemporary art issues and individual directions in chosen media. Students must pay a $40.00 laboratory studio fee.

0101	Shannon Collis MW 4:00pm - 6:30pm	Seats (Total: 14) ASY 1317	

ARTT448H **Advanced Printmaking Studio; Honors Printmaking Studio**

ARTT448H *(PermReq)* **Advanced Printmaking Studio: Honors Printmaking Studio; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: 300-level printmaking course and admission to Department Honors Program. Permission of Department required. Students must pay a $40.00 studio lab fee.

0101	Justin Strom TuTh 12:30pm - 3:00pm	Seats (Total: 4) ASY 1317	 Lab
0201	Justin Strom TuTh 3:00pm - 5:30pm	Seats (Total: 2) ASY 1317	 Lab

0301	Margo Humphrey MW 9:00am - 11:30am	Seats (Total: 2) ASY 1317	
0401	Margo Humphrey MW 12:30pm - 3:00pm	Seats (Total: 2) ASY 1317	
0501	Justin Strom MW 4:00pm - 6:30pm	Seats (Total: 2) ASY 1317	Lab

ARTT449A **Advanced Photography Studio; Black and White Photography and Wet Darkroom Techniques**

ARTT449A Advanced Photography Studio: Black and White Photography and Wet Darkroom Techniques; (3 credits) Grade Method: REG/P-F/AUD. Prerequisite: ARTT353 or permission of instructor. Students must pay a $40.00 laboratory studio fee. SLR film camera required.

0101	Sora Devore MW 9:00am - 11:30am	Seats (Total: 5) MMH 0401	Lab
0201	Sora Devore MW 12:30pm - 3:00pm	Seats (Total: 5) MMH 0401	Lab

ARTT455 **Three Dimensional Graphic Design**

ARTT455 *(PermReq)* **Three Dimensional Graphic Design; (3 credits)** Grade Method: REG.
Prerequisite: ARTT355, ARTT356, and ARTT357. Recommended: ARTT333. Credit only granted for: ARTT352 or ARTT455. Formerly: ARTT352. Continued exploration of advanced graphic design practices with primary emphasis on 3-D object and packaging design. Includes research, course reading discussion, oral presentations, and specific project assignments which will require a proficient level of hand-skills (craft) and computer skills. Students must pay $40.00 laboratory fee.

0101	Audra Buck-Coleman MW 12:30pm - 3:00pm	Seats (Total: 20) ASY 2322	Lab

ARTT458 **Graphic Design Portfolio**

ARTT458 *(PermReq)* **Graphic Design Portfolio; (3 credits)** Grade Method: REG. Six hours of laboratory per week. Prerequisite: ARTT 454. Repeatable to 12 credits if content differs. Students will compose a comprehensive professional portfolio. Curriculum includes contracts, copyright issues,interviewing skills, resume and cover-letter writing, design briefs and proposals, freelance business issues as well as portfolio preparation and presentation; portfolio presentation includes basics of book arts.Students must pay $40.00 laboratory fee.

0101	Ruth Lozner	Seats (Total: 20)	
	TuTh 12:30pm - 3:00pm	ASY 2322	

ARTT460 **Seminar in Art Theory**
Contact department for information to register for this course.

ARTT468A **Seminar on the Interrelationship Between Art and Art Theory**
Contact department for information to register for this course.

ARTT468W **Seminar on the Interrelationship Between Art and Art Theory; History and Workshop of Latin America Photography**
Contact department for information to register for this course.

ARTT479B **Advanced Digital Media Studio; Introduction to Digital Video Production**

ARTT479B Advanced Digital Media Studio: Introduction to Digital Video Production; (3 credits) Grade Method: REG.
Primary focus of this course is video production. Aesthetics, theory, and practical aspects will be examined in the context of short film/documentary production. Students must pay $40.00 laboratory fee.

0101	Narendra Ratnapala	Seats (Total: 14)	
	MW 12:30pm - 3:00pm	ASY 3311E	Lab

ARTT480H **Honors Seminar**

ARTT480H *(PermReq)* **Honors Seminar; (3 credits)** Grade Method: REG. *Prerequisites: Acceptance into Department Honors Program, completion of ARTT300 - 400H and 418H electives, and permission of department.* Team-taught seminar focusing on relationship between student's work and the theoretical context of contemporary art. Students must pay $40.00 laboratory fee.

0101	Dawn Gavin F 10:00am - 1:30pm	Seats (Total: 7) Location: TBA	Lab

ARTT489A **Advanced Special Topics in Art; Perspectives in Art Theory: The Relationship between Discourse and Practice**

ARTT489A Advanced Special Topics in Art: Perspectives in Art Theory: The Relationship between Discourse and Practice; (3 credits) Grade Method: REG/P-F/AUD.

0101	Aneta Georgievska-Shine Tu 4:00pm - 6:30pm	Seats (Total: 15) ASY 3219

ARTT489C **Advanced Special Topics in Art; Markets and Collecting**

ARTT489C Advanced Special Topics in Art: Markets and Collecting; (3 credits) Grade Method: REG/P-F/AUD.

0101	Rex Weil Th 11:30am - 2:00pm	Seats (Total: 15) ARC 1123

ARTT489I **Advanced Special Topics in Art; Digital Imaging**
Contact department for information to register for this course.

ARTT489R **Advanced Special Topics in Art; New Media**
Contact department for information to register for this course.

ARTT489W **Advanced Special Topics in Art; Critical Theory of New Media**

ARTT489W Advanced Special Topics in Art: Critical Theory of New Media; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ARTT150.

0101	Hasan Elahi Tu 6:00pm - 8:30pm	Seats (Total: 15) TWS 1105

ARTT498A **Directed Studies in Studio Art**

ARTT498A *(PermReq)* **Directed Studies in Studio Art; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Students must pay a $40.00 studio lab fee.

Contact department for information to register for this course.

ARTT498B **Directed Studies in Studio Art**

ARTT498B *(PermReq)* **Directed Studies in Studio Art; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Students must pay a $40.00 studio lab fee.

Contact department for information to register for this course.

ARTT498I **Directed Studies in Studio Art; Animation, Editing, and Special Effects**
Contact department for information to register for this course.

ARTT618 **Drawing; Drawing**

ARTT618 *(PermReq)* **Drawing: Drawing; (3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Students must pay a $60.00 laboratory studio fee.

Contact department for information to register for this course.

ARTT628 **Painting; Painting**

ARTT628 *(PermReq)* **Painting: Painting; (3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Students must pay a $60.00 laboratory studio fee.

Contact department for information to register for this course.

ARTT638 **Sculpture; Sculpture**

ARTT638 *(PermReq)* **Sculpture: Sculpture; (3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Students must pay a $60.00 laboratory studio fee.

Contact department for information to register for this course.

ARTT648 **Printmaking; Printmaking**

ARTT648 *(PermReq)* **Printmaking: Printmaking; (3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Students must pay a $60.00 laboratory studio fee.

Contact department for information to register for this course.

ARTT698A **Directed Graduate Studies in Studio Art**

ARTT698A *(PermReq)* **Directed Graduate Studies in Studio Art; (1-4 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Students must pay a $60.00 laboratory studio fee.

Contact department for information to register for this course.

ARTT698B **Directed Graduate Studies in Studio Art**

ARTT698B *(PermReq)* **Directed Graduate Studies in Studio Art; (1-4 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Students must pay a $60.00 laboratory studio fee.

Contact department for information to register for this course.

ARTT698C **Directed Graduate Studies in Studio Art; Graduate Teaching Practicum**

ARTT698C *(PermReq)* **Directed Graduate Studies in Studio Art: Graduate Teaching Practicum; (1-4 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Students must pay a $60.00 laboratory studio fee.

Contact department for information to register for this course.

ARTT699A **Directed Graduate Studies in Studio Art**

ARTT699A *(PermReq)* **Directed Graduate Studies in Studio Art; (1-4 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Students must pay a $60.00 laboratory studio fee.

Contact department for information to register for this course.

ARTT699B **Directed Graduate Studies in Studio Art**

ARTT699B *(PermReq)* **Directed Graduate Studies in Studio Art; (1-4 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Students must pay a $60.00 laboratory studio fee.

Contact department for information to register for this course.

ARTT718 **Drawing; Drawing**

ARTT718 *(PermReq)* **Drawing: Drawing; (3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Students must pay a $60.00 laboratory studio fee.

Contact department for information to register for this course.

ARTT728 **Painting; Painting**

ARTT728 *(PermReq)* **Painting: Painting; (3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Students must pay a $60.00 laboratory studio fee.

Contact department for information to register for this course.

ARTT738 **Sculpture; Sculpture**

ARTT738 *(PermReq)* **Sculpture: Sculpture; (3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Students must pay a $60.00 laboratory studio fee.

Contact department for information to register for this course.

ARTT748 **Printmaking; Printmaking**

ARTT748 *(PermReq)* **Printmaking: Printmaking; (3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Students must pay a $60.00 laboratory studio fee.

Contact department for information to register for this course.

ARTT768 **Graduate Colloquium**

ARTT768 *(PermReq)* **Graduate Colloquium; (2 credits)** Grade Method: REG/AUD. Students must pay a $60.00 laboratory studio fee.

0101	Lucille Hogg	Seats (Total: 20)
	W 6:00pm - 9:00pm	ASY 3217

ARTT798A **Directed Graduate Studies in Studio Art**

ARTT798A *(PermReq)* **Directed Graduate Studies in Studio Art; (1-4 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Students must pay a $60.00 laboratory studio fee.

Contact department for information to register for this course.

ARTT798B **Directed Graduate Studies in Studio Art**

ARTT798B *(PermReq)* **Directed Graduate Studies in Studio Art; (1-4 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Students must pay a $60.00 laboratory studio fee.

Contact department for information to register for this course.

ARTT799 **Master's Thesis Research**

ARTT799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ASTR Astronomy Fall 2012

ASTR100 **Introduction to Astronomy**

ASTR100 Introduction to Astronomy; (3 credits) Grade Method: REG/P-F/AUD. CORE Physical Science (PS) Course. GenEd: Distributive Studies - Natural Sciences. *Credit only granted for: ASTR100, ASTR101, or ASTR120. Additional information: Credit for ASTR100 cannot be obtained after, or simultaneously with, receiving credit for any astronomy course numbered 250 or higher.* An elementary course in descriptive astronomy, especially appropriate for non-science students. Topics include the Sun, Moon, planets, stars, and nebulae, galaxies, and evolution of the Universe. Discussion sections do not meet the first week. Attend lecture before coming to discussion section.

0101	Lee Mundy TuTh 9:30am - 10:45am M 9:00am - 9:50am	Seats (Total: 40) PHY 1412 CSS 2400	 Discussion
0102	Lee Mundy TuTh 9:30am - 10:45am M 10:00am - 10:50am	Seats (Total: 40) PHY 1412 CSS 2400	 Discussion
0103	Lee Mundy TuTh 9:30am - 10:45am M 11:00am - 11:50am	Seats (Total: 40) PHY 1412 CSS 2400	 Discussion
0104	Lee Mundy TuTh 9:30am - 10:45am W 3:00pm - 3:50pm	Seats (Total: 40) PHY 1412 CSS 2400	 Discussion
0105	Lee Mundy TuTh 9:30am - 10:45am F 9:00am - 9:50am	Seats (Total: 40) PHY 1412 CSS 2400	 Discussion
0106	Lee Mundy TuTh 9:30am - 10:45am F 11:00am - 11:50am	Seats (Total: 40) PHY 1412 CSS 2400	 Discussion
0107	Lee Mundy TuTh 9:30am - 10:45am F 2:00pm - 2:50pm	Seats (Total: 40) PHY 1412 CSS 2400	 Discussion
0201	Melissa Hayes-Gehrke MWF 9:00am - 9:50am M 12:00pm - 12:50pm	Seats (Total: 40) PHY 1412 CSS 2400	 Discussion

0202	Melissa Hayes-Gehrke MWF 9:00am - 9:50am M 1:00pm - 1:50pm	Seats (Total: 40) PHY 1412 CSS 2400	 Discussion
0203	Melissa Hayes-Gehrke MWF 9:00am - 9:50am W 1:00pm - 1:50pm	Seats (Total: 40) PHY 1412 CSS 2400	 Discussion
0204	Melissa Hayes-Gehrke MWF 9:00am - 9:50am W 2:00pm - 2:50pm	Seats (Total: 40) PHY 1412 CSS 2400	 Discussion
0205	Melissa Hayes-Gehrke MWF 9:00am - 9:50am F 10:00am - 10:50am	Seats (Total: 40) PHY 1412 CSS 2400	 Discussion
0206	Melissa Hayes-Gehrke MWF 9:00am - 9:50am F 12:00pm - 12:50pm	Seats (Total: 40) PHY 1412 CSS 2400	 Discussion
0207	Melissa Hayes-Gehrke MWF 9:00am - 9:50am F 1:00pm - 1:50pm	Seats (Total: 40) PHY 1412 CSS 2400	 Discussion

ASTR101 **General Astronomy**

ASTR101 General Astronomy; (4 credits) Grade Method: REG/P-F/AUD. CORE Physical Science Lab (PL) Course. GenEd: Distributive Studies - Natural Science Lab. *Credit only granted for: ASTR100, ASTR101, or ASTR120.* Descriptive astronomy, appropriate for non-science majors. Sun, moon, planets, stars, nebulae, galaxies and evolution. Laboratory exercises include use of photographic material, computer simulations, and standard laboratory equipment. Discussion sections and lab sections do not meet the first week of classes. Attend lecture before coming to discussion or lab sections.

0101	Grace Deming TuTh 11:00am - 12:15pm Tu 5:30pm - 7:30pm Tu 3:30pm - 4:20pm	Seats (Total: 20) PHY 1412 CSS 1109 CSS 2400	 Lab Discussion

0102	Grace Deming	Seats (Total: 20)	
	TuTh 11:00am - 12:15pm W 8:30am - 10:30am Tu 3:30pm - 4:20pm	PHY 1412 CSS 1109 CSS 2400	 Lab Discussion
0103	Grace Deming	Seats (Total: 20)	
	TuTh 11:00am - 12:15pm F 10:00am - 12:00pm W 9:00am - 9:50am	PHY 1412 CSS 1109 CSS 2400	 Lab Discussion
0104	Grace Deming	Seats (Total: 20)	
	TuTh 11:00am - 12:15pm F 1:00pm - 3:00pm W 9:00am - 9:50am	PHY 1412 CSS 1109 CSS 2400	 Lab Discussion
0105	Grace Deming	Seats (Total: 20)	
	TuTh 11:00am - 12:15pm W 11:00am - 1:00pm W 10:00am - 10:50am	PHY 1412 CSS 1109 CSS 2400	 Lab Discussion
0106	Grace Deming	Seats (Total: 20)	
	TuTh 11:00am - 12:15pm Th 3:30pm - 5:30pm W 10:00am - 10:50am	PHY 1412 CSS 1109 CSS 2400	 Lab Discussion
0107	Grace Deming	Seats (Total: 20)	
	TuTh 11:00am - 12:15pm W 1:00pm - 3:00pm W 11:00am - 11:50am	PHY 1412 CSS 1109 CSS 2400	 Lab Discussion
0108	Grace Deming	Seats (Total: 20)	
	TuTh 11:00am - 12:15pm Th 8:30am - 10:30am W 11:00am - 11:50am	PHY 1412 CSS 1109 CSS 2400	 Lab Discussion
0109	Grace Deming	Seats (Total: 20)	
	TuTh 11:00am - 12:15pm W 6:00pm - 8:00pm W 12:00pm - 12:50pm	PHY 1412 CSS 1109 CSS 2400	 Lab Discussion

0110	Grace Deming	Seats (Total: 20)	
	TuTh 11:00am - 12:15pm Th 6:00pm - 8:00pm W 12:00pm - 12:50pm	PHY 1412 CSS 1109 CSS 2400	 Lab Discussion

ASTR120 **Introductory Astrophysics - Solar System**

ASTR120 Introductory Astrophysics - Solar System; (3 credits) Grade Method: REG. CORE Physical Science (PS) Course. GenEd: Distributive Studies - Natural Sciences.
Prerequisite: Completed or be concurrently enrolled in MATH115. Restriction: Must not have completed ASTR101 or ASTR100. Credit only granted for: ASTR100, ASTR101, or ASTR120. For students majoring in astronomy or with a strong interest in science. Topics include development of astronomy, planetary orbits, electromagnetic radiation, telescopes as well as constituents and origin of the solar system (planets, satellites, comets, asteroids, meteoroids, etc.).

0101	Derek Richardson	Seats (Total: 30)	
	TuTh 11:00am - 12:15pm F 1:00pm - 1:50pm	CSS 2428 CSS 2428	 Discussion

ASTR220 **Collisions in Space - The Threat of Asteroid Impacts**

ASTR220 Collisions in Space - The Threat of Asteroid Impacts; (3 credits) Grade Method: REG/P-F/AUD. CORE Physical Science (PS) Course. GenEd: Distributive Studies - Natural Sciences; Signature Courses - I-Series.
Restriction: Must not be in Astronomy program. Additional information: Course is open to Astronomy and Planetary Sciences minors. Appropriate for non-science majors. Worried? Can't sleep? Collisions in Space will evaluate the threat of asteroid impacts with the Earth using knowledge of asteroid characteristics and orbits. The merits of possible defense plans will be discussed, as well as the budgetary and political concerns associated with implementing any such plan.

0101	Melissa Hayes-Gehrke	Seats (Total: 30)	
	TuTh 11:00am - 12:15pm M 11:00am - 11:50am	CSS 2400 CSS 2428	 Discussion
0102	Melissa Hayes-Gehrke	Seats (Total: 30)	
	TuTh 11:00am - 12:15pm M 12:00pm - 12:50pm	CSS 2400 CSS 2428	 Discussion

ASTR288 **Special Projects in Astronomy**

ASTR288 *(PermReq)* **Special Projects in Astronomy; (1-3 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
A faculty sponsor must be found by the students prior to enrollment.

Contact department for information to register for this course.

ASTR288C **Special Projects in Astronomy; Astronomy Research Techniques**

ASTR288C *(PermReq)* **Special Projects in Astronomy: Astronomy Research Techniques; (2 credits)** Grade Method: REG/P-F/AUD.

0101	Fotis Gavriil, Jeremy Perkins M 3:30pm - 5:15pm	Seats (Total: 10) CSS 0201

ASTR300 **Stars and Stellar Systems**

ASTR300 Stars and Stellar Systems; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Natural Sciences.
Prerequisite: Completion of the CORE Distributive Studies requirement in Mathematics and Sciences; or Completion of the General Education Fundamental Studies requirement in Mathematics; or permission of CMNS-Astronomy department.
Designed primarily for non-science majors. Study of stars-types, properties, evolution, and distribution in space; supernovae, pulsars, and black holes.

0101	Rob Olling TuTh 9:30am - 10:45am	Seats (Total: 50) CSS 2428

ASTR310 **Observational Astronomy**

ASTR310 Observational Astronomy; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Scholarship in Practice.
Prerequisite: ASTR121; and (PHYS171 or PHYS161). Or permission of CMNS-Astronomy department. Restriction: Must be in Astronomy program. Introduction to current optical observational techniques, with brief coverage of infrared, ultraviolet, and x-ray techniques. Statistics, spherical trigonometry time, catalogs, geometrical and physical optics, telescopes, and optical instruments. Effects of the atmosphere. Practical work at the observatory using a CCD camera. Some nighttime observing sessions.

0101	Andrew Harris	Seats (Total: 20)
	TuTh 2:00pm - 3:15pm	CSS 2428

ASTR330 **Solar System Astronomy**

ASTR330 Solar System Astronomy; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Natural Sciences.
Prerequisite: Completion of the CORE Distributive Studies requirement in Mathematics and Sciences or the General Education Fundamental Studies requirement in Mathematics; or permission of CMNS-Astronomy department. Designed primarily for non-science majors. The structure of planets and of their atmospheres, the nature of comets, asteroids, and satellites. Comparison of various theories for the origin of the solar system. Emphasis on a description of recent data and interpretation.

0101	Jessica Sunshine	Seats (Total: 50)
	TuTh 12:30pm - 1:45pm	CSS 2400

ASTR340 **Origin of the Universe**

ASTR340 Origin of the Universe; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Natural Sciences.
Prerequisite: Completion of the CORE Distributive Studies requirement in Mathematics and Sciences; or Completion of the General Education Fundamental Studies requirement in Mathematics; or permission of CMNS-Astronomy department. Designed primarily for non-science majors. A study of our progression of knowledge about the universe. Topics include: early cosmological models, geocentric vs. heliocentric theory, curvature of space, Hubble's Law, Big Bang Theory, microwave background radiation, evolution of stars and galaxies, dark matter, active galaxies, quasars and the future of the universe.

0101	Alan Peel	Seats (Total: 50)
	TuTh 2:00pm - 3:15pm	CSS 2400

ASTR380 **Life in the Universe - Astrobiology**

ASTR380 Life in the Universe - Astrobiology; (3 credits) Grade Method: REG/AUD. GenEd: Distributive Studies - Natural Sciences.
Designed primarily for non-science majors. Study of the astronomical perspective on the conditions for the origin and existence of life in the universe.

0101	Leo Deming	Seats (Total: 50)
	TuTh 9:30am - 10:45am	CSS 2400

ASTR399 **Honors Seminar**

ASTR399 *(PermReq)* **Honors Seminar; (1-16 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ASTR421 **Galaxies**

ASTR421 Galaxies; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ASTR121; and (PHYS271 and PHYS270; or PHYS273). Or permission of CMNS-Astronomy department. Introduction to structure, kinematics, and dynamics of normal and peculiar galaxies. Quantitative descriptions of normal spiral galaxies (like our Milky Way) and elliptical galaxies will be followed by more exotic considerations such as interacting and merging galaxies, and active galactic nuclei.

0101	RIchard Mushotzky TuTh 3:30pm - 4:45pm	Seats (Total: 30) CSS 2428

ASTR498 **Special Problems in Astronomy**

ASTR498 *(PermReq)* **Special Problems in Astronomy; (1-6 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ASTR601 **Radiative Processes**

ASTR601 *(PermReq)* **Radiative Processes; (3 credits)** Grade Method: REG/AUD. *Restriction: Permission of CMNS-Astronomy department.* Emission, absorption, and scattering of radiation by matter, with astrophysical applications. Thermodynamics and statistical mechanics: LTE, Boltzmann, and Saha equations; radiative transfer; atomic and molecular radiation; plasma radiation and transfer: bremsstrahlung, synchrotron emission, Compton scattering.

0101	Massimo Ricotti TuTh 12:30pm - 1:45pm	Seats (Total: 20) CSS 0201

ASTR630 **Planetary Science**

ASTR630 Planetary Science; (3 credits) Grade Method: REG/AUD.
Credit only granted for: ASTR630 or ASTR688P. Formerly: ASTR688P. The science of our planetary system with an emphasis on the aspects of it, that help us understand the origin of the system and thus the relevance to other planetary systems. Topics will include planetary atmospheres, surfaces, and interiors and the small bodies of the solar system (asteroids, comets, Kuiper-belt objects). We will consider the dynamics of these bodies and the physics and chemistry of these bodies.

0101	Douglas Hamilton MW 2:00pm - 3:15pm	Seats (Total: 20) CSS 0201

ASTR670 **Interstellar Medium and Gas Dynamics**

ASTR670 Interstellar Medium and Gas Dynamics; (3 credits) Grade Method: REG/AUD.
Prerequisite: ASTR601; or permission of CMNS-Astronomy department. Content of phases of the interstellar medium: physical processes in the ISM: ionization equilibrium, heating and cooling, interstellar dust; gas dynamics: fluid motions, instabilities, shock waves; magnetohydrodynamics.

0101	Alberto Bolatto	Seats (Total: 20)
	TuTh 2:00pm - 3:15pm	CSS 0201

ASTR695 **Introduction to Research**

ASTR695 Introduction to Research; (1 credit) Grade Method: S-F.
Provides an introduction to research programs in the Department of Astronomy and a forum to explore possible research projects. Aimed at incoming graduate students.

0101	Douglas Hamilton	Seats (Total: 20)
	M 5:00pm - 5:50pm	CSS 1255

ASTR699 **Special Problems in Advanced Astronomy**

ASTR699 *(PermReq)* **Special Problems in Advanced Astronomy; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ASTR799 **Master's Thesis Research**

ASTR799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ASTR898 **Pre-Candidacy Research**

ASTR898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ASTR899 **Doctoral Dissertation Research**

ASTR899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BCHM Biochemistry Fall 2012

BCHM461 **Biochemistry I**

The College of Computer, Mathematical and Natural Sciences enforces course prerequisites. Students who do not meet the course prerequisites will be administratively dropped from the course.
Registration in course sections which begin with "SEF*" are restricted to Post-Baccalaureate students who enroll through the Science in the Evening Program in the College of Computer, Mathematical and Natural Sciences. Please note that this class is charged at the regular part-time tuition rate (on a per credit basis), even for full- time students. To register or to learn more about the Science in the Evening program, you must contact the Life Sciences Outreach and Special Programs Office at (301) 405-6892.
BCHM461 Biochemistry I; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Minimum grade of C- in CHEM271 and CHEM272; or minimum grade of C- in CHEM276 and CHEM277. Credit only granted for: BCHM461 or BCHM463. First semester of a comprehensive introduction to modern biochemistry. Structure, chemical properties, and function of proteins and enzymes, carbohydrates, lipids, and nucleic acids. Basic enzyme kinetics and catalytic mechanisms.

0101	Paul Paukstelis TuTh 9:30am - 10:45am	Seats (Total: 125) EGR 1202
0102	Shuwei Li TuTh 2:00pm - 3:15pm	Seats (Total: 123) CHM 1402
0103	Vitali Tugarinov TuTh 12:30pm - 1:45pm	Seats (Total: 123) CHM 1402

BCHM462 **Biochemistry II**

BCHM462 Biochemistry II; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: Minimum grade of C- in BCHM461. Credit only granted for: BCHM462 or BCHM463.* A continuation of BCHM 461. Metabolic pathways and metabolic regulation, energy transduction in biological systems, enzyme catalytic mechanisms.

0101	George Lorimer TuTh 9:30am - 10:45am	Seats (Total: 110) CHM 1402

BCHM463 **Biochemistry of Physiology**

BCHM463 Biochemistry of Physiology; (3 credits) Grade Method: REG/AUD. *Prerequisite: Minimum grade of C- in CHEM271 and CHEM272; or minimum grade of C- in CHEM276 and CHEM277. Credit only granted for: BCHM461, BCHM462 or BCHM463.* A one-semester introduction to general biochemistry. A study of protein structure, enzyme catalysis, metabolism, and metabolic regulation with respect to their relationship to physiology.

0101	James Watson MWF 11:00am - 11:50am	Seats (Total: 120) CHM 1402
0103	Douglas Julin MWF 12:00pm - 12:50pm	Seats (Total: 120) CHM 1402
SEF1	Erik Lontok M 6:30pm - 9:30pm	Seats (Total: 40) MCB 1207
	This section is restricted to students who enroll through the Science i Evening program and may not be added on Testudo. Click here for complete program details including program eligibility information, tuition and fee information and registration instructions.	
SG91	Cassiah Cox MWF 9:30am - 10:20am	Seats (Total: 50) BLD3 4220
	Registration is restricted to Biological Sciences-Shady Grove majors. Permission is required for all other students to enroll in courses at Shady Grove. Please email usgbioscie@umd.edu for permission.	

BCHM464 **Biochemistry Laboratory**

BCHM464 Biochemistry Laboratory; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: BCHM461 or BCHM463; and A grade of C- or better in the prerequisite is required for all College of Computer, Mathematical, and Natural Sciences majors and recommended for all students. Corequisite: Concurrently enrolled in BCHM465. Restriction: BCHM, CHEM, and Nutritional Sciences majors have first priority, followed by other life science majors.* Biochemical and genetic methods for studying protein function. Site-directed mutagenesis and molecular cloning, protein purification, enzyme activity assays, computer modeling of protein structure. Students must pay a $40.00 laboratory materials fee.

0101	James Watson	Seats (Total: 18)	
	Th 12:30pm - 5:30pm	CHM 1109	Lab
	Tu 12:30pm - 1:20pm	CHM 1224	Discussion
0102	James Watson	Seats (Total: 18)	
	W 1:00pm - 6:00pm	CHM 1109	Lab
	Tu 12:30pm - 1:20pm	CHM 1224	Discussion

BCHM465 **Biochemistry III**

BCHM465 Biochemistry III; (3 credits) Grade Method: REG/P-F/AUD. CORE Capstone (CS) Course.
Prerequisite: BCHM461 or BCHM463; and A grade of C- or better in the prerequisite is required for College of Computer, Mathematical, and Natural Sciences majors and recommended for all students. Recommended: BCHM462. CORE Capstone (CS) Course. An advanced course in biochemistry. Biochemical approach to cellular information processing. DNA and RNA structure. DNA replication, transcription, and repair. Translation of mRNA to make proteins.

0101	Theodore Dayie	Seats (Total: 80)	
	TuTh 8:00am - 9:15am	CHM 1402	

BCHM661 **Nucleic Acids I**

BCHM661 Nucleic Acids I; (2 credits) Grade Method: REG/AUD.
Prerequisite: BSCI410 and BCHM465. Topics covered: Chemistry and structure of DNA and RNA, from nucleotides to chromatin, chromosomes, and genomes, and some methods for studying, synthesizing, sequencing and manipulating nucleic acids. Rudimentary genomics and bioinformatics. DNA Biology: selected aspects of the biochemistry and regulation of DNA replication, repair, and recombination, and how these processes interact with each other.

0101	Jason Kahn	Seats (Total: 30)
	Meets August 29, 2012 - October 15, 2012	
	TuTh 1:30pm - 3:30pm	BSB 2118

BCHM662 **Nucleic Acids II**

BCHM662 Nucleic Acids II; (2 credits) Grade Method: REG/AUD.
Prerequisite: BCHM661. Topics covered: Interactions between nucleic acids and ligands such as cations, drugs, and especially proteins. Sources of binding affinity and specificity. Selection-amplification methods. Description of several classes of protein-nucleic acids complexes. DNA/RNA catalysis, the origin of life, mobile genetic elements.

0101	Dorothy Beckett	Seats (Total: 30)
	Meets October 22, 2012 - December 11, 2012	
	TuTh 1:30pm - 3:30pm	BSB 2118

BCHM669C **Special Topics in Biochemistry; Protien Folding and Disease**

BCHM669C Special Topics in Biochemistry: Protien Folding and Disease; (2 credits) Grade Method: REG/AUD.

The basic principles of protein structure and folding, and how they apply to understanding the mechanisms of protein mis-folding and disease states will be covered. Discussions will involve a range of topics including the following: phi,psi-space exploration; the forces that drive protein folding in vitro and in vivo; domain swapping; fold switching between alpha-helical and beta-strand states; amyloids; intrisically disordered proteins; and the role of protein mis-folding in neurological disorders such as Alzheimer's, Parkinson's, and prion diseases. Class will be taught at the Institute for Bioscience and Biotechnology Research (IBBR), located on the Shady Grove campus, and broadcast via interactive video conferencing to the Chemistry and Biochemistry Department at College Park. Student may attend classes in either location.

0101	John Orban	Seats (Total: 25)
	Meets August 2, 2012 - October 12, 2012	
	WF 9:00am - 10:45am	ARC 1125

BCHM669D **Special Topics in Biochemistry; Drug Discovery**

BCHM669D Special Topics in Biochemistry: Drug Discovery; (2 credits) Grade Method: REG/AUD.

Prerequisite: Undergraduate level Biochemistry, Organic Chemistry and Biology. The course focuses on the early drug discovery process from the biochemist point of view. It covers topics such as, target selection; cell-based and target-based inhibitor discovery; high throughput assays; hit validation; mechanism-based inhibitor design; Structure/activity relationship (SAR) and structure-assisted inhibitor optimization; in vitro and in vivo compound evaluation; transport, metabolism, and toxicity issues. Class will be taught at the Institute for Bioscience and Biotechnology Research (IBBR), located on the Shady Grove campus, and broadcast via interactive video conferencing to the Chemistry and Biochemistry Department at College Park. Student may attend classes in either location.

0101	Osnat Herzberg	Seats (Total: 25)
	Meets October 19, 2012 - December 7, 2012	
	WF 9:00am - 10:45am	PLS 5112

BCHM669E **Special Topics in Biochemistry; Biomolecular NMR: Theory and Applications**

BCHM669E Special Topics in Biochemistry: Biomolecular NMR: Theory and Applications; (3 credits) Grade Method: REG/AUD.
Prerequisites: BCHM485 or CHEM482 or equivalent. Fundamentals of nuclear magnetic resonance, including quantum-mechanical treatment, vector models, and product operator formalism. Pulse sequence design and implementation and theoretical and computer-based prediction of experimental outcomes. The course will focus on NMR applications to biological problems, including determination of the structure and dynamics of biomacromolecules and characterization of macromolecular interactions.

0101	David Fushman	Seats (Total: 20)
	TBA	BSB 2118

BCHM671 **Protein Chemistry and Enzymic Catalysis**

BCHM671 Protein Chemistry and Enzymic Catalysis; (3 credits) Grade Method: REG/AUD.
Prerequisite: BCHM461; or students who have taken courses with similar or comparable course content may contact the department. Principles of protein structure, folding, and function, experimental characterization of structure, active sites, enzyme mechanisms and kinetics.

0101	Nicole LaRonde	Seats (Total: 35)
	TuTh 9:30am - 10:50am	CHM 0128

BCHM698 **Literature Seminar in Biochemistry**

BCHM698 Literature Seminar in Biochemistry; (1 credit) Grade Method: REG.

0101	Douglas Julin	Seats (Total: 10)
	Contact instructor or department for details.	

BCHM699 **Special Problems in Biochemistry**

BCHM699 Special Problems in Biochemistry; (1-6 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Open only to non-thesis M.S. degree candidates.

Contact department for information to register for this course.

BCHM799 **Master's Thesis Research**

BCHM799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BCHM889A **Seminar; Biochemistry**

BCHM889A Seminar: Biochemistry; (1 credit) Grade Method: REG/AUD.

0101	Catherine Fenselau Tu 11:00am - 11:50am	Seats (Total: 40) Location: TBA

BCHM889C **Seminar; Allostery in DNA Binding**

BCHM889C *(PermReq)* **Seminar: Allostery in DNA Binding; (1 credit)** Grade Method: REG/AUD.

0101	Instructor: TBA Contact instructor or department for details.	Seats (Total: 10)

BCHM889D **Seminar; Enzymology Recombination**

BCHM889D *(PermReq)* **Seminar: Enzymology Recombination; (1 credit)** Grade Method: REG/AUD.

0101	Instructor: TBA Contact instructor or department for details.	Seats (Total: 10)

BCHM889F **Seminar; Antimicrobial Peptides**

BCHM889F *(PermReq)* **Seminar: Antimicrobial Peptides; (1 credit)** Grade Method: REG/AUD.

0101	Instructor: TBA Contact instructor or department for details.	Seats (Total: 10)

BCHM889J **Seminar; Nucleic Acid Structures**

BCHM889J *(PermReq)* **Seminar: Nucleic Acid Structures; (1 credit)** Grade Method: REG/AUD.

0101	Instructor: TBA	Seats (Total: 10)
	Contact instructor or department for details.	

BCHM889M **Seminar; Modern Methods in NMR and Structural Biology**

BCHM889M Seminar: Modern Methods in NMR and Structural Biology; (1-3 credits) Grade Method: REG/AUD.

0101	David Fushman	Seats (Total: 40)
	Contact instructor or department for details.	

BCHM889P **Seminar; Structure and Reactivity of Biopolymers**

BCHM889P *(PermReq)* **Seminar: Structure and Reactivity of Biopolymers; (1 credit)** Grade Method: REG/AUD.

0101	Instructor: TBA	Seats (Total: 10)
	Contact instructor or department for details.	

BCHM898 **Pre-Candidacy Research**

BCHM898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BCHM899 **Doctoral Dissertation Research**

BCHM899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BEES Behavior, Ecology, Evolution and Systematics — Fall 2012

BEES608A **Seminar in Behavior, Ecology, Evolution and Systematics; Introduction to BEES**

BEES608A Seminar in Behavior, Ecology, Evolution and Systematics: Introduction to BEES; (1 credit) Grade Method: REG/AUD.
Survey of major research areas within Behavior, Ecology, Evolution and Systematics. Lecture will be given by members of BEES faculty who specialize in the different topics. In discussion, students will consider recent research papers, discuss analyses and experimental designs, or perform exercises relevant to the topic of the week.

0101	Charles Fenster	Seats (Total: 20)
	W 6:00pm - 8:00pm	BPS 1230

BEES608K **Seminar in Behavior, Ecology, Evolution and Systematics**

BEES608K Seminar in Behavior, Ecology, Evolution and Systematics; (1-4 credits) Grade Method: REG/AUD.

0101	Scott Wing	Seats (Total: 10)
	Contact instructor or department for details.	

BEES799 **Master's Thesis Research**

BEES799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BEES898 **Pre-Candidacy Research**

BEES898 *(PermReq)* **Pre-Candidacy Research; (1-8 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BEES899 **Doctoral Dissertation Research**

BEES899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BIOE Bioengineering Fall 2012

BIOE100 **Introductory Mathematics for Engineering**
Contact department for information to register for this course.

BIOE120 **Biology for Engineers**

BIOE120 *(PermReq)* **Biology for Engineers; (3 credits)** Grade Method: REG/P-F/AUD.
Restriction: Permission of ENGR-Fischell Department of Bioengineering department. Introduction to the functions and interactions of biological systems from a quantitative perspective. Introduction to the modern experimental techniques and methods of data analysis. Roles for bioengineers in biology, and the role of biology in bioengineering will be elucidated. Students will be introduced to the functions and interactions of biological systems from a quantitative perspective. They will also be encourage d to solve problems through active inquiry, critical analysis,and creat ivity. Finally, roles for bioengineers in biology, and the role of biology in bioengineering will be elucidated.

0101	Idalis Villanueva TuTh 9:30am - 10:45am	Seats (Total: 85) ANS 0408	
0201	Adam Hsieh MW 2:00pm - 3:15pm	Seats (Total: 75) KEB 1110	

BIOE121 **Biology for Engineers Laboratory**

BIOE121 *(PermReq)* **Biology for Engineers Laboratory; (1 credit)** Grade Method: REG/P-F/AUD.
Restriction: Must be in Engineering: Bioengineering program. This course will build on the material covered in BIOE120. Experiments conducted in this laboratory course will cover topics such as biomechanical principles, biochemical methods, genetics and selection, scaling, microcosm interactions, human factors and imaging.

0101	Idalis Villanueva Tu 8:00am - 9:15am W 8:00am - 9:30am	Seats (Total: 18) KEB 1110 CHE 1145	 Lab
0102	Idalis Villanueva Tu 8:00am - 9:15am W 3:00pm - 4:30pm	Seats (Total: 18) KEB 1110 CHE 1145	 Lab

0103	Idalis Villanueva Tu 8:00am - 9:15am F 8:00am - 9:30am	Seats (Total: 18) KEB 1110 CHE 1145	 Lab
0104	Idalis Villanueva Tu 8:00am - 9:15am F 3:00pm - 4:30pm	Seats (Total: 18) KEB 1110 CHE 1145	 Lab

BIOE150 **Applied Ethics and Public Policy in Bioengineering**

BIOE150 Applied Ethics and Public Policy in Bioengineering; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. GenEd: Distributive Studies - Scholarship in Practice.
Credit only granted for: BIOE150 or HONR288L. Students learn about medical devices such as heart valves and artificial hearts. Government requirements for clinical testing and the obligations that physicians, manufacturers, FDA and Congress have to patients are discussed.

0101	Glenn Rahmoeller TuTh 3:30pm - 4:45pm	Seats (Total: 30) KEB 1200

BIOE232 **Bioengineering Thermodynamics**

BIOE232 *(PermReq)* **Bioengineering Thermodynamics; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: PHYS261 and PHYS260; and permission of ENGR-Fischell Department of Bioengineering department. Restriction: Must be in Engineering: Bioengineering program. Credit only granted for: BIOE232, ENES232, ENME232, or ENME320. A quantitative introduction to thermodynamic analysis of bioengineering systems. Bioengineering encompasses a wide range of applications from nanoscale interactions (e.g. reactions between molecules), to cellular interactions (e.g. membrane electrical currents), to overall balances on organisms, all the way to large scale manufacturing. Each of these applications (and many others not mentioned) involve energy interactions which is the domain of thermodynamics. The basic laws of thermodynamics will be introduced and explained through a series of examples related to bioengineering systems.

0101	Gregory Payne MW 11:00am - 12:15pm F 11:00am - 12:50pm	Seats (Total: 60) SQH 1120 SQH 1120	 Discussion

BIOE241 **Biocomputational Methods**

BIOE241 *(PermReq)* **Biocomputational Methods; (3 credits)** Grade Method: REG/P-F/AUD.
Restriction: Permission of ENGR-Fischell Department of Bioengineering department. Application of computer technology to biological and natural resource systems considering engineering aspects. Designed to help students in the use of computer technology for problem solving. The course will cover 4-5 software packages important for later use by the student.

0101	Hubert Montas MWF 4:00pm - 4:50pm	Seats (Total: 40) KEB 2107	
0201	Hubert Montas MWF 5:00pm - 5:50pm	Seats (Total: 20) KEB 2107	

BIOE331 **Biofluids**

BIOE331 *(PermReq)* **Biofluids; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: MATH246, BIOE120, BIOE121, and BIOE241; and (ENES232 or BIOE232). Restriction: Must be in Engineering: Bioengineering program; and permission of ENGR-Fischell Department of Bioengineering department. Also offered as: ENME331. Credit only granted for: BIOE331, ENCE305, or ENME331. Principles of fluid mechanics. Mass, momentum and energy conservation. Hydrostatics. Control volume analysis. Internal and external flow. Boundary layers. Modern measurement techniques. Computer analysis. Laboratory experiments.

0101	Amir Riaz, Kenneth Kiger, Silvina Matysiak, Christopher Jewell, James Duncan MW 12:00pm - 12:50pm Tu 1:00pm - 2:50pm	Seats (Total: 30) EGR 1202 JMP 2202	 Lab
0102	Amir Riaz, Silvina Matysiak, James Duncan, Christopher Jewell, Kenneth Kiger MW 12:00pm - 12:50pm W 1:00pm - 2:50pm	Seats (Total: 30) EGR 1202 KEB 1200	 Lab

0103	James Duncan, Amir Riaz, Christopher Jewell, Silvina Matysiak, Kenneth Kiger MW 12:00pm - 12:50pm Th 1:00pm - 2:50pm	Seats (Total: 30) EGR 1202 KEB 1200	 Lab
0104	Christopher Jewell, Silvina Matysiak, James Duncan, Kenneth Kiger, Amir Riaz MW 12:00pm - 12:50pm F 3:00pm - 4:50pm	Seats (Total: 30) EGR 1202 KEB 1200	 Lab
0105	James Duncan, Kenneth Kiger, Silvina Matysiak, Christopher Jewell, Amir Riaz MW 12:00pm - 12:50pm Th 3:00pm - 4:50pm	Seats (Total: 30) EGR 1202 CHE 2136	 Lab
0201	Christopher Jewell, Silvina Matysiak, Amir Riaz, Kenneth Kiger, James Duncan MW 11:00am - 11:50am F 1:00pm - 2:50pm	Seats (Total: 30) KEB 1110 KEB 1200	 Lab
0202	James Duncan, Amir Riaz, Christopher Jewell, Silvina Matysiak, Kenneth Kiger MW 11:00am - 11:50am Tu 3:00pm - 4:50pm	Seats (Total: 30) KEB 1110 CHM 0119	 Lab
0203	Silvina Matysiak, Kenneth Kiger, James Duncan, Amir Riaz, Christopher Jewell MW 11:00am - 11:50am W 3:00pm - 4:50pm	Seats (Total: 30) KEB 1110 JMP 1109	 Lab

BIOE340 **Modeling Physiological Systems and Lab**

BIOE340 *(PermReq)* **Modeling Physiological Systems and Lab; (4 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: BSCI330, MATH246, BIOE120, BIOE121, and BIOE241; and permission of ENGR-Fischell Department of Bioengineering department. Credit only granted for: BIOE340 or (BSCI440 and BSCI441). Topics covered will include cell and general physiology, membrane physiology, blood cells and clotting, circulation, metabolism, respiration, and the nervous system. A lab component will also be included.

0101	John Fisher	Seats (Total: 90)	
	TuTh 3:30pm - 4:45pm	KEB 1110	
	Th 5:00pm - 6:30pm	KEB 2107	Lab
	Lab will meet in either KEB 2107 or KEB2111.		

BIOE399 **Independent Study in Bioengineering**

BIOE399 *(PermReq)* **Independent Study in Bioengineering; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department.

Contact department for information to register for this course.

BIOE399H **Independent Study in Bioengineering**
Contact department for information to register for this course.

BIOE404 **Biomechanics**

BIOE404 *(PermReq)* **Biomechanics; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: MATH246, ENES220, BIOE120, ENES102, BIOE121, and BIOE241; and permission of ENGR-Fischell Department of Bioengineering department. Restriction: Must be in Engineering: Bioengineering program.* Introduction to the fundamentals of biomechanics including force analysis, mechanics of deformable bodies, stress and strain, multiaxial deformations, stress analysis, and viscoelasticity. Biomechanics of soft and hard tissues.

0101	Adam Hsieh	Seats (Total: 90)	
	MWF 10:00am - 10:50am	CCC 1205	

BIOE455 **Basic Electronic Design**

BIOE455 Basic Electronic Design; (3 credits) Grade Method: REG. *Prerequisite: MATH246, BIOE120, BIOE121, and BIOE241. Restriction: Permission of ENGR-Fischell Department of Bioengineering department. Credit only granted for: BIOE455 or ENBE455. Formerly: ENBE455.* Familiarization with basic electronic circuits and the ability to produce simple electronic designs.

0101	Ian White TuTh 11:00am - 12:15pm Tu 2:00pm - 3:15pm	Seats (Total: 45) KEB 1110 ANS 0505	 Lab
0102	Ian White TuTh 11:00am - 12:15pm Th 2:00pm - 3:15pm	Seats (Total: 45) KEB 1110 ANS 0505	 Lab

BIOE456 **Bioinstrumentation**

BIOE456 *(PermReq)* **Bioinstrumentation; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: BIOE455. Restriction: Permission of ENGR-Fischell Department of Bioengineering department. Credit only granted for: BIOE456 or ENBE456. Formerly: ENBE456.* Study of biomedical instrumentation and biomedical equipment technology. How biomedical equipment is used to measure information from the human body. Hands-on experience with representative biomedical equipment.

0101	Yang Tao TuTh 9:30am - 10:45am	Seats (Total: 80) BPS 1243	

BIOE471 **Biological Systems Control**

BIOE471 *(PermReq)* **Biological Systems Control; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: BIOE455. Restriction: Permission of ENGR-Fischell Department of Bioengineering department. Credit only granted for: BIOE471 or ENBE471. Formerly: ENBE471. Principles of control systems designed by biological engineers and analysis of control mechanisms found in biological organisms. Apparent control strategies used by biological systems will be covered.

0101	Benjamin Shapiro MW 1:00pm - 1:50pm F 1:00pm - 2:50pm	Seats (Total: 80) KEB 1110 KEB 1110	 Lab

BIOE485 **Capstone Design I: Entrepreneurship, Regulatory Issues, and Ethics**

BIOE485 Capstone Design I: Entrepreneurship, Regulatory Issues, and Ethics; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: 21 credits in BIOE courses. Restriction: Permission of ENGR-Fischell Department of Bioengineering department; and Senior standing; and must be in Engineering: Bioengineering program. Credit only granted for: BIOE485 or ENBE485. Formerly: ENBE485. This is the first part of a two-semester senior capstone design course which covers principles involved in engineering design, design approaches, economics of design, ethics in engineering, and patent regulations. It also helps students learn team work and write design project proposals under the mentorship of a faculty advisor.

0101	Yang Tao	Seats (Total: 80)
	MW 11:00am - 12:15pm	SYM 0200

BIOE486 **Capstone Design II**

BIOE486 Capstone Design II; (3 credits) Grade Method: REG/P-F/AUD. CORE Capstone (CS) Course. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: Must have completed BIOE485 in the immediately preceding semester. Restriction: Senior standing; and must be in Engineering: Bioengineering program; and permission of ENGR-Fischell Department of Bioengineering department. Credit only granted for: BIOE486 or ENBE486. Formerly: ENBE486. This is the second part of the senior capstone design course. This part is independent instruction where faculty mentoring each project team works with students to order supplies, fabricate their proposed design under BIOE485, test the design, write the report and present it to their fellow seniors and board of faculty mentors. Students are taught to convert the blue print of a design to actual device and test it.

Contact department for information to register for this course.

BIOE489H **Special Topics in Bioengineering; Bioengineering Honors Seminar**

BIOE489H Special Topics in Bioengineering: Bioengineering Honors Seminar; (3 credits) Grade Method: REG/P-F/AUD.

0101	Adam Hsieh	Seats (Total: 40)
	M 3:30pm - 4:30pm	KEB 1200

BIOE489L **Special Topics in Bioengineering; Metabolic Pathway Engineering**

BIOE489L Special Topics in Bioengineering: Metabolic Pathway Engineering; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as BIOE689L, ENCH468M, and ENCH648M. Credit will be granted for one of the following: BIOE489L, BIOE689L, ENCH468M, or ENCH648M.

0101	Ganesh Sriram MW 5:00pm - 6:15pm	Seats (Total: 40) CHE 2136

BIOE601 **Biomolecular and Cellular Rate Processes**

BIOE601 Biomolecular and Cellular Rate Processes; (3 credits) Grade Method: REG/AUD.
Credit only granted for: BIOE601 or ENCH859B. Presentation of techniques for characterizing and manipulating non-linear biochemical reaction networks. Advanced topics to include mathematical modeling of the dynamics of biological systems; separation techniques for heat sensitive biologically active materials; and rate processes in cellular and biomolecular systems. Methods are applied to current biotechnological systems, some include: recombinant bacteria; plant insect and mammalian cells; and transformed cell lines.

0101	William Bentley TuTh 9:30am - 10:45am	Seats (Total: 25) TLF 1101
BI01	William Bentley TuTh 9:30am - 10:45am *This section is restricted to ENPM students only.*	Seats (Total: 10) ONLINE

BIOE604 **Cellular and Physiological Transport Phenomena**

BIOE604 Cellular and Physiological Transport Phenomena; (3 credits) Grade Method: REG.
A study of transport processes, including momentum, energy and mass transport, relevant to biosystems at various scales from physiological to cellular systems. Transport leads to sets of partial differential equations and the course revolves around approaches to solving these equations to arrive at fundamental understanding of the physics of transport in biosystems.

0101	Keith Herold TuTh 3:30pm - 4:45pm	Seats (Total: 25) JMP 2216

BI01	Keith Herold	Seats (Total: 5)
	Class time/details on ELMs	ONLINE
	This section is restricted to ENPM students only.	

BIOE605 **Laboratory Rotations I**

BIOE605 Laboratory Rotations I; (1 credit) Grade Method: REG.
Restriction: Must be in one of the following programs (ENGR: PhD Only-Bioengineering (Master's); ENGR: PhD Only-Bioengineering (Doctoral)). Provides the opportunity to experience different laboratory environments. Students gain exposure to graduate research, learn a wide variety of laboratory and/or computational techniques, become familiar with Bioengineering program faculty, and develop insight on personal research interests and direction. Laboratory rotations are required in Fall and Spring of the first year of the Ph.D. Program. BIOE605: Laboratory Rotations I will be held in the Fall semester. BIOE606: Laboratory Rotations II will be held in the Spring semester.

0101	John Fisher	Seats (Total: 15)
	F 11:00am - 11:50am	CHE 2116

BIOE608 **Bioengineering Seminar Series**

BIOE608 Bioengineering Seminar Series; (1 credit) Grade Method: REG/AUD.
For BIOE majors only.

0101	Yu Chen	Seats (Total: 40)
	F 11:00am - 11:50am	KEB 1200

BIOE632 **Biophotonic Imaging and Microscopy**

BIOE632 Biophotonic Imaging and Microscopy; (3 credits) Grade Method: REG/AUD.
Prerequisite: PHYS270 and BIOE420; and permission of ENGR-Fischell Department of Bioengineering department. Credit only granted for: BIOE432, BIOE632, or BIOE689C. Principles and instrumentation of various biomedical optical techniques, including fluorescene and Raman spectroscopy, confocal and multi-photon microscopy, optical coherence tomography, and diffuse optical tomography. Biomedical aplications will also be discussed.

0101	Yu Chen TuTh 11:00am - 12:15pm	Seats (Total: 20) JMP 1202
BI01	Yu Chen Class time/details on ELMs *his section is restricted to ENPM students only.*	Seats (Total: 5) ONLINE

BIOE645 **Advanced Engineering Start Up Ventures**

BIOE645 Advanced Engineering Start Up Ventures; (3 credits) Grade Method: REG.
Covers principles and practices important to engineering startup ventures, especially those involving bioengineering and medical device enterprises, and includes the preparation of business plans and tools used to obtain funding. Also offered as ENTS689E. Credit will be granted for only one of the following: BIOE645 or ENTS689E.

0101	David Barbe F 8:00am - 11:00am	Seats (Total: 25) POT 2111

BIOE689 **Special Topics in Bioengineering**

BIOE689 Special Topics in Bioengineering; (1-3 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BIOE689J **Special Topics in Bioengineering; Bioengineering Devices for Cancer Research**

BIOE689J Special Topics in Bioengineering: Bioengineering Devices for Cancer Research; (3 credits) Grade Method: REG.

0101	Jose Aranda-Espinoza MWF 9:00am - 9:50am	Seats (Total: 25) KEB 1200

BIOE689L **Special Topics in Bioengineering; Metabolic Pathway Engineering**

BIOE689L Special Topics in Bioengineering: Metabolic Pathway Engineering; (3 credits) Grade Method: REG.
Also offered as BIOE489L, ENCH468M, and ENCH648M. Credit will be granted for one of the following: BIOE489L, BIOE689L, ENCH468M, or ENCH648M.

0101	Ganesh Sriram	Seats (Total: 40)
	MW 5:00pm - 6:15pm	CHE 2136

BIOE799 **Master's Thesis Research**

BIOE799 Master's Thesis Research; (1-6 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BIOE898 **Pre-Candidacy Research**

BIOE898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BIOE899 **Doctoral Dissertation Research**

BIOE899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BIOL Biology Fall 2012

BIOL608B **Biology Seminar; Behavior Ecology**

BIOL608B *(PermReq)* **Biology Seminar: Behavior Ecology; (1-2 credits)** Grade Method: REG.

0101	Gerald Borgia	Seats (Total: 10)
	Contact instructor or department for details.	

BIOL608G **Biology Seminar; Population Genomics**

BIOL608G Biology Seminar: Population Genomics; (2 credits) Grade Method: REG.

0101	Carlos Machado	Seats (Total: 15)
	Contact instructor or department for details.	

BIOL608K **Biology Seminar; Biological Sciences Teaching and Learning in Higher Education**

BIOL608K *(PermReq)* **Biology Seminar: Biological Sciences Teaching and Learning in Higher Education; (2 credits)** Grade Method: REG.
Also offered as CBMG699K, CHEM608K, and ENTM699K. Credit will be granted for only one of the following: BIOL608K, CBMG699K, CHEM608K, or ENTM699K.

0101	Gili Ad-Marbach	Seats (Total: 28)
	W 12:00pm - 1:40pm	BPS 1208

BIOL608X **Biology Seminar; Introduction to Social Network Analysis of Animal Behavior**

BIOL608X Biology Seminar: Introduction to Social Network Analysis of Animal Behavior; (1-2 credits) Grade Method: REG.
This course is an introduction to the use of social networks in behavioral ecology. Students will review the concepts of network theory and its applications in behavioral research. Topics include metrics, data selection, network construction and visualization, and hypothesis testing.

0101	Katerina Thompson	Seats (Total: 20)
	Contact instructor or department for details.	

BIOL609 **Special Problems in Biology**

BIOL609 Special Problems in Biology; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BIOL620 **Cell Biology**

BIOL620 Cell Biology; (3 credits) Grade Method: REG/AUD.
Prerequisites: BSCI230/BSCI330/ZOOL211 or BCHM461, BSCI222/BIOL222, and CHEM233 or permission of instructor. Offered with laboratory as BSCI 421. Molecular basis of cell structure and function in eukaryotes.

0101	Michael Ma MWF 12:00pm - 12:50pm F 11:00am - 11:50am	Seats (Total: 12) BPS 1250 PLS 1158	 Discussion

BIOL671 **Molecular Evolution**

BIOL671 Molecular Evolution; (3 credits) Grade Method: REG.
Credit only granted for: BIOL671 or ZOOL645. Formerly: ZOOL645. Basic foundations through advanced concepts in molecular evolution, including patterns and processes of DNA sequence variation, transposable element dynamics, gene duplication and loss, and genome organization. Relevant concepts from genetics, biochemistry, and phylogenetics also will be covered.

0101	Michael Cummings TuTh 12:30pm - 1:45pm	Seats (Total: 15) BPS 1238

BIOL701 **Teaching Biology**

BIOL701 Teaching Biology; (1 credit) Grade Method: S-F.
Credit only granted for: BIOL701 or ZOOL701. Formerly: ZOOL701. Introduction to instructional methods and strategies, University and College policies, and campus resources for new LFSC graduate teaching assistants.

0101	William Higgins Tu 6:00pm - 8:00pm	Seats (Total: 20) BPS 1208

BIOL704 **Cell Biology from a Biophysical Perspective**

BIOL704 Cell Biology from a Biophysical Perspective; (3 credits) Grade Method: REG.
Recommended: BSCI330, PHYS121, and PHYS122. Also offered as: BSCI404. Credit only granted for: BSCI404, BIOL704, BIOL708O, or BIPH704. Formerly: BIOL708O. An approach to cell biology by focusing on mechanisms and unifying paradigms. It will not assume a great deal of factual biological knowledge, but will expect a background that prepares students to think quantitatively and mechanistically.

0101	Sergei Sukharev TuTh 3:30pm - 4:45pm	Seats (Total: 9) PLS 1113

BIOL708B **Advanced Topics in Biology; Principles of Animal Behavior**

BIOL708B Advanced Topics in Biology: Principles of Animal Behavior; (3 credits) Grade Method: REG.

0101	Gerald Wilkinson MW 11:00am - 11:50am F 9:00am - 9:50am	Seats (Total: 2) PLS 1130 PLS 1172	 Discussion
0102	Gerald Wilkinson MW 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 2) PLS 1130 PLS 1172	 Discussion
0103	Gerald Wilkinson MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 2) PLS 1130 PLS 1172	 Discussion
0104	Gerald Wilkinson MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 2) PLS 1130 PLS 1168	 Discussion

BIOL708D **Advanced Topics in Biology; Behavioral Ecology**

BIOL708D Advanced Topics in Biology: Behavioral Ecology; (3 credits) Grade Method: REG.

0101	Gerald Borgia MW 10:00am - 11:15am	Seats (Total: 5) PLS 1117	

BIOL708N **Advanced Topics in Biology; Mammalian Physiology**

BIOL708N Advanced Topics in Biology: Mammalian Physiology; (3 credits) Grade Method: REG.

0101	Joshua Singer MWF 10:00am - 10:50am	Seats (Total: 5) BPS 1250	

BIOL708T **Advanced Topics in Biology; Theoretical Ecology**

BIOL708T Advanced Topics in Biology: Theoretical Ecology; (4 credits) Grade Method: REG.

0101	Bill Fagan MW 10:00am - 11:15am Th 6:00pm - 9:00pm	Seats (Total: 20) PLS 1172 PLS 1121	 Lab

BIOL708Y **Advanced Topics in Biology; Neural Systems**

BIOL708Y Advanced Topics in Biology: Neural Systems; (3 credits) Grade Method: REG.

0101	Daphne Soares TuTh 8:00am - 9:15am	Seats (Total: 10) PLS 1140

BIOL708Z **Advanced Topics in Biology; Seminar in Translational Neuroscience**

BIOL708Z Advanced Topics in Biology: Seminar in Translational Neuroscience; (3 credits) Grade Method: REG.
Also offered as HESP639I and NACS728I. Credit will be granted for only one of the following: BIOL708Z, HESP639I, or NACS728I.

0101	Patrick Kanold MW 10:30am - 11:45am	Seats (Total: 10) BPS 2249

BIOL744 **Neurophysiology**

BIOL744 Neurophysiology; (3 credits) Grade Method: REG/AUD.
Prerequisite: PHYS122. The physiology of nerves, muscles, an sensory receptors, and aspects of central nervous system physiology.

0101	Daniel Butts TuTh 11:00am - 12:15pm	Seats (Total: 4) BPS 1236

BIOL799 **Master's Thesis Research**

BIOL799 Master's Thesis Research; (1-6 credits) Grade Method: REG/S-F.
Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BIOL898 **Pre-Candidacy Research**

BIOL898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BIOL899 **Doctoral Dissertation Research**

BIOL899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BIOM Biometrics Fall 2012

BIOM301 **Introduction to Biometrics**

BIOM301 Introduction to Biometrics; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Fundamental Studies - Analytic Reasoning.
Prerequisite: MATH113 or MATH115. Credit only granted for: BIOM301, BMGT230, CCJS200, ECON321, EDMS451, GEOG306, GVPT422, PSYC200, or SOCY201.
Descriptive statistics, introduction to probability, sampling, confidence interval estimation, hypothesis testing, simple regression and correlation. Emphasis on simple applications of statistical techniques and interpretation of statistical results.

0101	Christine Hakenkamp TuTh 2:00pm - 2:50pm M 1:00pm - 1:50pm	Seats (Total: 26) SHM 2102 ANS 0473	Discussion
0102	Christine Hakenkamp TuTh 2:00pm - 2:50pm M 2:00pm - 2:50pm	Seats (Total: 26) SHM 2102 ANS 0473	Discussion
0103	Christine Hakenkamp TuTh 2:00pm - 2:50pm M 3:00pm - 3:50pm	Seats (Total: 26) SHM 2102 ANS 0473	Discussion
0104	Christine Hakenkamp TuTh 2:00pm - 2:50pm Tu 9:30am - 10:20am	Seats (Total: 26) SHM 2102 ANS 0473	Discussion

0105	Christine Hakenkamp TuTh 2:00pm - 2:50pm Tu 11:00am - 11:50am	Seats (Total: 26) SHM 2102 ANS 0473	Discussion
0106	Christine Hakenkamp TuTh 2:00pm - 2:50pm Tu 12:30pm - 1:20pm	Seats (Total: 25) SHM 2102 ANS 0473	Discussion
0107	Christine Hakenkamp TuTh 2:00pm - 2:50pm M 10:00am - 10:50am	Seats (Total: 25) SHM 2102 ANS 0473	Discussion

BIOM405 **Computer Applications in Biometrics**

BIOM405 *(PermReq)* **Computer Applications in Biometrics; (1 credit)** Grade Method: REG/P-F/AUD.
Prerequisite: BIOM402 or equivalent. An introduction to computer applications for data analysis. This is equivalent to the computer lab of 601 and is required for students that have taken BIOM 301 and BIOM402 and wish to go directly into BIOM602.

0101	Christine Hakenkamp Contact instructor or department for details.	Seats (Total: 5)

BIOM601 **Biostatistics I**

BIOM601 Biostatistics I; (4 credits) Grade Method: REG/AUD.
Prerequisite: BIOM301 or STAT464; or students who have taken courses with similar or comparable course content may contact the department. Credit only granted for: BIOM401 or BIOM601. Estimation and hypothesis testing, t tests, one and two way analysis of variance, regression, analysis of frequency data. Lecture will emphasize uses and limitations of these methods in biology, while the laboratory will emphasize the use of statistical analysis software for the analysis of biological data.

0101	Christine Hakenkamp TuTh 12:30pm - 1:45pm Tu 2:00pm - 4:00pm	Seats (Total: 27) ANS 0408 ANS 0473	Lab
0102	Christine Hakenkamp TuTh 12:30pm - 1:45pm W 9:00am - 11:00am	Seats (Total: 27) ANS 0408 ANS 0473	Lab

0104	Christine Hakenkamp	Seats (Total: 27)	
	TuTh 12:30pm - 1:45pm	ANS 0408	
	Th 2:00pm - 4:00pm	ANS 0473	Lab

BIOM603 **Biostatistics III**

BIOM603 Biostatistics III; (4 credits) Grade Method: REG/AUD.
Prerequisite: Must have completed a graduate-level statistical class; or students who have taken courses with similar or comparable course content may contact the department. Applications and implementation of linear model analysis to biological data, including multivariate regression model, mixed model, generalized linear mixed model, nonlinear logistic and Poisson regression models, power calculation and survival analysis.

0101	Jiuzhou Song	Seats (Total: 20)	
	TuTh 11:00am - 12:15pm	ANS 1144	
	Th 9:00am - 10:50am	ANS 0473	Lab

BIOM621 **Applied Multivariate Statistics**

BIOM621 Applied Multivariate Statistics; (3 credits) Grade Method: REG/AUD.
Prerequisite: BIOM602. Recommended: BIOM603. Brief review of matrix algebra, means, covariance matrices, multivariate normal, multivariate confidence ellipses, MANOVA, Discriminant Methods, Principal Component Analysis, Factor Analysis, Multidimensional Scaling, Cluster Analyses, and other topics, depending on student interest.

0101	Bahram Momen	Seats (Total: 20)	
	TuTh 3:30pm - 4:45pm	HJP 1213	

BIOM688A **Topics in Biometrics; Consulting Experience in Biometrics**

BIOM688A Topics in Biometrics: Consulting Experience in Biometrics; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BIOM698 **Special Problems in Biometrics**

BIOM698 Special Problems in Biometrics; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BIPH Biophysics Fall 2012

BIPH698L **Biophysics Seminar; Biophysics**

BIPH698L Biophysics Seminar: Biophysics; (1 credit) Grade Method: REG/AUD.

0101	Arpita Upadhyaya	Seats (Total: 10)
	M 4:00pm - 5:30pm	IPT 1116

BIPH699 **Research in Biophysics**

BIPH699 Research in Biophysics; (2 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BIPH704 **Cell Biology from a Biophysical Perspective**

BIPH704 Cell Biology from a Biophysical Perspective; (3 credits) Grade Method: REG.
Recommended: BSCI330, PHYS121, and PHYS122. Also offered as: BSCI404. Credit only granted for: BSCI404, BIOL704, BIOL708O, or BIPH704. An approach to cell biology by focusing on mechanisms and unifying paradigms. It will not assume a great deal of factual biological knowledge, but will expect a background that prepares students to think quantitatively and mechanistically.

0101	Sergei Sukharev	Seats (Total: 9)
	TuTh 3:30pm - 4:45pm	PLS 1113

BIPH898 **Pre-Candidacy Research**

BIPH898 *(PermReq)* **Pre-Candidacy Research; (1-8 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BIPH899 **Doctoral Dissertation Research**

BIPH899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BMGT Business and Management Fall 2012

BMGT110 **Introduction to the Business Value Chain**

BMGT110 Introduction to the Business Value Chain; (3 credits) Grade Method: REG/P-F/AUD. CORE Interdisciplinary & Emerging Issues (IE) Course. *Restriction: Must not be a BMGT major with 56 or more credit hours.* Students are provided with an introduction to the business value chain with an emphasis on inter-organizational and intra-organizational coordination of core business processes. Emphasis is on cross-functional integration and the efficient and effective management of core processes with an emphasis on marketing, operations and supply chain management. Restricted to Non-BMGT majors or BMGT majors with less than 56 credit ho urs completed.

0101	Howard Frank TuTh 12:30pm - 1:45pm	Seats (Total: 186) VMH 1524
FC01	Jeff Miller TuTh 3:30pm - 4:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 80) SYM 0200

BMGT110F **Introduction to the Business Value Chain**

BMGT110F Introduction to the Business Value Chain; (3 credits) Grade Method: REG/P-F/AUD. CORE Interdisciplinary & Emerging Issues (IE) Course. Restricted to Smith School's Freshman Fellows (FPFF).

FP01	Hugh Turner MW 9:30am - 10:45am	Seats (Total: 31) VMH 2203
FP02	Hugh Turner MW 11:00am - 12:15pm	Seats (Total: 31) VMH 2203

FP03	Hugh Turner MW 2:00pm - 3:15pm	Seats (Total: 31) VMH 2203
FP04	Koki Nagata MW 3:30pm - 4:45pm	Seats (Total: 31) VMH 2203
FP05	Koki Nagata MW 5:00pm - 6:15pm	Seats (Total: 31) VMH 2203
FP06	Hugh Turner TuTh 9:30am - 10:45am	Seats (Total: 31) VMH 2203
FP07	Hugh Turner TuTh 11:00am - 12:15pm	Seats (Total: 31) VMH 2203
FP08	Richard Hutchins TuTh 12:30pm - 1:45pm	Seats (Total: 31) VMH 2203
FP09	Richard Hutchins TuTh 2:00pm - 3:15pm	Seats (Total: 31) VMH 2203
FP10	Richard Hutchins TuTh 3:30pm - 4:45pm	Seats (Total: 31) VMH 2203

BMGT110M **Introduction to the Business Value Chain**
Contact department for information to register for this course.

BMGT110S **Introduction to the Business Value Chain**

BMGT110S Introduction to the Business Value Chain; (3 credits) Grade Method: REG. CORE Interdisciplinary & Emerging Issues (IE) Course.
Restricted to College Park Scholars in Business, Society, and the Economy.

0101	Jeff Miller MW 11:00am - 12:15pm	Seats (Total: 41) CCC 1205
0201	Jeff Miller MW 12:30pm - 1:45pm	Seats (Total: 41) CCC 1205

BMGT190H **Introduction to Design and Quality**

BMGT190H Introduction to Design and Quality; (4 credits) Grade Method: REG. *Restriction: Permission of BMGT-Robert H. Smith School of Business. Also offered as: ENES190. Credit only granted for: BMGT190 or ENES190.* Exposes engineering and business students to the principles of total quality, using experiential team-learning and technology-aided approaches. The first of four courses in total quality. Restricted to Quest Program students.

0101	Joseph Bailey TuTh 12:30pm - 1:45pm Tu 7:00pm - 8:50pm	Seats (Total: 40) VMH 1333 VMH 1411	 Discussion
0102	Joseph Bailey TuTh 12:30pm - 1:45pm Tu 7:00pm - 8:50pm	Seats (Total: 40) VMH 1333 VMH 1418	 Discussion

BMGT220 **Principles of Accounting I**

BMGT220 Principles of Accounting I; (3 credits) Grade Method: REG.
Basic theory and techniques of contemporary financial accounting. Includes the accounting cycle and the preparation of financial statements for single owner and partnership forms of business organizations operating as service companies or merchandisers. Open to all students with 24 credit hours completed.

0101	Progyan Basu TuTh 9:30am - 10:45am F 9:00am - 9:50am	Seats (Total: 40) VMH 1524 VMH 1202	 Discussion
0102	Progyan Basu TuTh 9:30am - 10:45am F 10:00am - 10:50am	Seats (Total: 40) VMH 1524 VMH 1202	 Discussion
0103	Progyan Basu TuTh 9:30am - 10:45am F 11:00am - 11:50am	Seats (Total: 40) VMH 1524 VMH 1202	 Discussion
0104	Progyan Basu TuTh 9:30am - 10:45am F 12:00pm - 12:50pm	Seats (Total: 40) VMH 1524 VMH 1202	 Discussion

0105	Progyan Basu TuTh 9:30am - 10:45am F 1:00pm - 1:50pm	Seats (Total: 40) VMH 1524 VMH 1202	 Discussion
0201	Progyan Basu TuTh 11:00am - 12:15pm F 9:00am - 9:50am	Seats (Total: 40) VMH 1524 VMH 1206	 Discussion
0202	Progyan Basu TuTh 11:00am - 12:15pm F 10:00am - 10:50am	Seats (Total: 40) VMH 1524 VMH 1206	 Discussion
0203	Progyan Basu TuTh 11:00am - 12:15pm F 11:00am - 11:50am	Seats (Total: 40) VMH 1524 VMH 1206	 Discussion
0204	Progyan Basu TuTh 11:00am - 12:15pm F 12:00pm - 12:50pm	Seats (Total: 40) VMH 1524 VMH 1206	 Discussion
0205	Progyan Basu TuTh 11:00am - 12:15pm F 1:00pm - 1:50pm	Seats (Total: 40) VMH 1524 VMH 1206	 Discussion
0301	Progyan Basu TuTh 2:00pm - 3:15pm F 9:00am - 9:50am	Seats (Total: 40) VMH 1524 VMH 1303	 Discussion
0302	Progyan Basu TuTh 2:00pm - 3:15pm F 10:00am - 10:50am	Seats (Total: 40) VMH 1524 VMH 1303	 Discussion
0303	Progyan Basu TuTh 2:00pm - 3:15pm F 11:00am - 11:50am	Seats (Total: 40) VMH 1524 VMH 1303	 Discussion
0304	Progyan Basu TuTh 2:00pm - 3:15pm F 12:00pm - 12:50pm	Seats (Total: 40) VMH 1524 VMH 1303	 Discussion

0305	Progyan Basu TuTh 2:00pm - 3:15pm F 1:00pm - 1:50pm	Seats (Total: 40) VMH 1524 VMH 1303	 Discussion
0401	Progyan Basu TuTh 3:30pm - 4:45pm F 9:00am - 9:50am	Seats (Total: 40) VMH 1524 VMH 1307	 Discussion
0402	Progyan Basu TuTh 3:30pm - 4:45pm F 10:00am - 10:50am	Seats (Total: 40) VMH 1524 VMH 1307	 Discussion
0403	Progyan Basu TuTh 3:30pm - 4:45pm F 11:00am - 11:50am	Seats (Total: 40) VMH 1524 VMH 1307	 Discussion
0404	Progyan Basu TuTh 3:30pm - 4:45pm F 12:00pm - 12:50pm	Seats (Total: 40) VMH 1524 VMH 1307	 Discussion
0405	Progyan Basu TuTh 3:30pm - 4:45pm F 1:00pm - 1:50pm	Seats (Total: 40) VMH 1524 VMH 1307	 Discussion

BMGT220H **Principles of Accounting I**

BMGT220H Principles of Accounting I; (3 credits) Grade Method: REG.
Basic theory and techniques of contemporary financial accounting. Includes the accounting cycle and the preparation of financial statements for single owner and partnership forms of business organizations operating as service companies or merchandisers. Restricted to Honors students with 24 credit hours completed.

0101	Gary Bulmash TuTh 11:00am - 12:15pm	Seats (Total: 35) VMH 1418
0201	Martin Loeb TuTh 12:30pm - 1:45pm	Seats (Total: 35) VMH 1336

BMGT221 **Principles of Accounting II**

BMGT221 Principles of Accounting II; (3 credits) Grade Method: REG. *Prerequisite: BMGT220.* Basic theory and techniques of accounting for managerial decision making. Involves the introduction of the corporation and manufacturing operations. Includes cost-volume-profit analysis and capital budgeting. Introduces the topics of income taxation and international accounting. Restricted to students with 24 credit hours completed.

0101	Gregory Pfeiffer TuTh 12:30pm - 1:45pm F 9:00am - 9:50am	Seats (Total: 30) VMH 1212 VMH 1335	Discussion
0102	Gregory Pfeiffer TuTh 12:30pm - 1:45pm F 10:00am - 10:50am	Seats (Total: 35) VMH 1212 VMH 1335	Discussion
0103	Gregory Pfeiffer TuTh 12:30pm - 1:45pm F 11:00am - 11:50am	Seats (Total: 35) VMH 1212 VMH 1335	Discussion
0104	Gregory Pfeiffer TuTh 12:30pm - 1:45pm F 12:00pm - 12:50pm	Seats (Total: 35) VMH 1212 VMH 1335	Discussion
0105	Gregory Pfeiffer TuTh 12:30pm - 1:45pm F 1:00pm - 1:50pm	Seats (Total: 35) VMH 1212 VMH 1335	Discussion
0201	Gregory Pfeiffer TuTh 2:00pm - 3:15pm F 9:00am - 9:50am	Seats (Total: 35) VMH 1212 VMH 1336	Discussion
0202	Gregory Pfeiffer TuTh 2:00pm - 3:15pm F 10:00am - 10:50am	Seats (Total: 35) VMH 1212 VMH 1336	Discussion
0203	Gregory Pfeiffer TuTh 2:00pm - 3:15pm F 11:00am - 11:50am	Seats (Total: 35) VMH 1212 VMH 1336	Discussion

0204	Gregory Pfeiffer TuTh 2:00pm - 3:15pm F 12:00pm - 12:50pm	Seats (Total: 35) VMH 1212 VMH 1336	Discussion
0205	Gregory Pfeiffer TuTh 2:00pm - 3:15pm F 1:00pm - 1:50pm	Seats (Total: 35) VMH 1212 VMH 1336	Discussion

BMGT230 **Business Statistics**

BMGT230 Business Statistics; (3 credits) Grade Method: REG. GenEd: Fundamental Studies - Analytic Reasoning.
Prerequisite: MATH113 or MATH115; or must have math eligibility of MATH220 or higher. Restriction: Must not have completed ENCE302, ENME392, STAT400, BMGT231, or ENEE324. Credit only granted for: BIOM301, BMGT230, CCJS200, ECON321, EDMS451, GEOG306, GVPT422, PSYC200 or SOCY201. Introductory course in probabilistic and statistical concepts including descriptive statistics, set-theoretic development of probability, the properties of discrete and continuous random variables, sampling theory, estimation, hypothesis testing, regression and decision theory and the application of these concepts to problem solving in business and the application of these concepts to problem solving in business and management.

0101	Radu Lazar MW 9:30am - 10:45am F 8:00am - 8:50am	Seats (Total: 32) VMH 1524 VMH 1314	Discussion
0102	Radu Lazar MW 9:30am - 10:45am F 9:00am - 9:50am	Seats (Total: 20) VMH 1524 VMH 1314	Discussion
0103	Radu Lazar MW 9:30am - 10:45am F 10:00am - 10:50am	Seats (Total: 32) VMH 1524 VMH 1314	Discussion
0104	Radu Lazar MW 9:30am - 10:45am F 11:00am - 11:50am	Seats (Total: 20) VMH 1524 VMH 1314	Discussion

0105	Radu Lazar MW 9:30am - 10:45am F 12:00pm - 12:50pm	Seats (Total: 26) VMH 1524 VMH 1314	Discussion
0106	Radu Lazar MW 9:30am - 10:45am F 1:00pm - 1:50pm	Seats (Total: 22) VMH 1524 VMH 1314	Discussion
0107	Radu Lazar MW 9:30am - 10:45am F 2:00pm - 2:50pm	Seats (Total: 32) VMH 1524 VMH 1314	Discussion
0201	Radu Lazar MW 11:00am - 12:15pm F 8:00am - 8:50am	Seats (Total: 32) VMH 1524 VMH 1411	Discussion
0202	Radu Lazar MW 11:00am - 12:15pm F 9:00am - 9:50am	Seats (Total: 32) VMH 1524 VMH 1411	Discussion
0203	Radu Lazar MW 11:00am - 12:15pm F 10:00am - 10:50am	Seats (Total: 32) VMH 1524 VMH 1411	Discussion
0204	Radu Lazar MW 11:00am - 12:15pm F 11:00am - 11:50am	Seats (Total: 32) VMH 1524 VMH 1411	Discussion
0205	Radu Lazar MW 11:00am - 12:15pm F 12:00pm - 12:50pm	Seats (Total: 19) VMH 1524 VMH 1411	Discussion
0206	Radu Lazar MW 11:00am - 12:15pm F 1:00pm - 1:50pm	Seats (Total: 21) VMH 1524 VMH 1411	Discussion
0207	Radu Lazar MW 11:00am - 12:15pm F 2:00pm - 2:50pm	Seats (Total: 21) VMH 1524 VMH 1411	Discussion

0301	Radu Lazar MW 2:00pm - 3:15pm F 8:00am - 8:50am	Seats (Total: 32) VMH 1524 VMH 1418	 Discussion
0302	Radu Lazar MW 2:00pm - 3:15pm F 9:00am - 9:50am	Seats (Total: 28) VMH 1524 VMH 1418	 Discussion
0303	Radu Lazar MW 2:00pm - 3:15pm F 10:00am - 10:50am	Seats (Total: 20) VMH 1524 VMH 1418	 Discussion
0304	Radu Lazar MW 2:00pm - 3:15pm F 11:00am - 11:50am	Seats (Total: 19) VMH 1524 VMH 1418	 Discussion
0305	Radu Lazar MW 2:00pm - 3:15pm F 12:00pm - 12:50pm	Seats (Total: 22) VMH 1524 VMH 1418	 Discussion
0306	Radu Lazar MW 2:00pm - 3:15pm F 1:00pm - 1:50pm	Seats (Total: 24) VMH 1524 VMH 1418	 Discussion
0307	Radu Lazar MW 2:00pm - 3:15pm F 2:00pm - 2:50pm	Seats (Total: 32) VMH 1524 VMH 1418	 Discussion

BMGT230B Business Statistics

BMGT230B Business Statistics; (3 credits) Grade Method: REG. GenEd: Fundamental Studies - Analytic Reasoning.
Prerequisite: MATH113 or MATH115; or must have math eligibility of MATH220 or higher. Restriction: Must not have completed ENCE302, ENME392, STAT400, BMGT231, or ENEE324. Credit only granted for: BIOM301, BMGT230, CCJS200, ECON321, EDMS451, GEOG306, GVPT422, PSYC200 or SOCY201. Introductory course in probabilistic and statistical concepts including descriptive statistics, set-theoretic development of probability, the properties of discrete and continuous random variables, sampling theory, estimation, hypothesis testing, regression and decision theory and the application of these concepts to problem solving in business and the application of these concepts to problem solving in business and management. Restricted to BMGT majors.

0102	Radu Lazar MW 9:30am - 10:45am F 9:00am - 9:50am	Seats (Total: 12) VMH 1524 VMH 1314	Discussion
0104	Radu Lazar MW 9:30am - 10:45am F 11:00am - 11:50am	Seats (Total: 12) VMH 1524 VMH 1314	Discussion
0105	Radu Lazar MW 9:30am - 10:45am F 12:00pm - 12:50pm	Seats (Total: 6) VMH 1524 VMH 1314	Discussion
0106	Radu Lazar MW 9:30am - 10:45am F 1:00pm - 1:50pm	Seats (Total: 10) VMH 1524 VMH 1314	Discussion
0205	Radu Lazar MW 11:00am - 12:15pm F 12:00pm - 12:50pm	Seats (Total: 13) VMH 1524 VMH 1411	Discussion
0206	Radu Lazar MW 11:00am - 12:15pm F 1:00pm - 1:50pm	Seats (Total: 11) VMH 1524 VMH 1411	Discussion
0207	Radu Lazar MW 11:00am - 12:15pm F 2:00pm - 2:50pm	Seats (Total: 11) VMH 1524 VMH 1411	Discussion

0302	Radu Lazar MW 2:00pm - 3:15pm F 9:00am - 9:50am	Seats (Total: 4) VMH 1524 VMH 1418	 Discussion
0303	Radu Lazar MW 2:00pm - 3:15pm F 10:00am - 10:50am	Seats (Total: 12) VMH 1524 VMH 1418	 Discussion
0304	Radu Lazar MW 2:00pm - 3:15pm F 11:00am - 11:50am	Seats (Total: 13) VMH 1524 VMH 1418	 Discussion
0305	Radu Lazar MW 2:00pm - 3:15pm F 12:00pm - 12:50pm	Seats (Total: 10) VMH 1524 VMH 1418	 Discussion
0306	Radu Lazar MW 2:00pm - 3:15pm F 1:00pm - 1:50pm	Seats (Total: 8) VMH 1524 VMH 1418	 Discussion

BMGT230H **Business Statistics**

BMGT230H Business Statistics; (3 credits) Grade Method: REG. GenEd: Fundamental Studies - Analytic Reasoning.
Prerequisite: MATH113 or MATH115; or must have math eligibility of MATH220 or higher. Restriction: Must not have completed ENCE302, ENME392, STAT400, BMGT231, or ENEE324. Credit only granted for: BIOM301, BMGT230, CCJS200, ECON321, EDMS451, GEOG306, GVPT422, PSYC200 or SOCY201. Introductory course in probabilistic and statistical concepts including descriptive statistics, set-theoretic development of probability, the properties of discrete and continuous random variables, sampling theory, estimation, hypothesis testing, regression and decision theory and the application of these concepts to problem solving in business and the application of these concepts to problem solving in business and management. Restricted to Honors students.

0101	Kazim Ruhi TuTh 9:30am - 10:45am	Seats (Total: 35) VMH 1307	

BMGT289A **Social Enterprise: Changing the World through Innovation and Transformative Action**

BMGT289A Social Enterprise: Changing the World through Innovation and Transformative Action; (3 credits) Grade Method: REG. CORE Behavioral and Social Science (SB) Course. GenEd: Distributive Studies - Scholarship in Practice; Signature Courses - I-Series.

0101	Robert Vesco	Seats (Total: 60)
	TuTh 12:30pm - 1:45pm	VMH 1528

BMGT289D **Frauds, Scams, and Thefts: What, How and Why?**

BMGT289D Frauds, Scams, and Thefts: What, How and Why?; (3 credits) Grade Method: REG. GenEd: Distributive Studies - Scholarship in Practice; Signature Courses - I-Series.

0101	Elizabeth Folsom	Seats (Total: 65)
	Tu 3:30pm - 4:45pm	VMH 1511
	Th 3:30pm - 4:45pm	LEF 2166

BMGT289E **Entrepreneurial Thinking for Non-Business Majors: How Not to Miss Great Opportunities Your Life Throws at You**

BMGT289E Entrepreneurial Thinking for Non-Business Majors: How Not to Miss Great Opportunities Your Life Throw at You; (3 credits) Grade Method: REG. CORE Interdisciplinary & Emerging Issues (IE) Course. GenEd: Distributive Studies - Scholarship in Practice; Signature Courses - I-Series.

0101	Jonathan Aberman	Seats (Total: 60)
	MW 2:00pm - 3:15pm	VMH 1412

BMGT289F **Is America Destined to Fall by 2076?**

BMGT289F Is America Destined to Fall by 2076?; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Scholarship in Practice; Signature Courses - I-Series.

0101	James Spina	Seats (Total: 65)
	F 1:00pm - 3:30pm	VMH 1333

BMGT289I **Why Good Managers Make Bad Decisions**

BMGT289I Why Good Managers Make Bad Decisions; (3 credits) Grade Method: REG/P-F/AUD. CORE Mathematics or Formal Reasoning (MS) Course. GenEd: Distributive Studies - Scholarship in Practice; Signature Courses - I-Series.
Why do smart managers make flawed decisions? Why do managers keep believing they have made the right choice, even with disastrous results staring them in the face? Why Good Managers Make Bad Decisions will address how evidence-based management and other decisionmaking tools can be used to uncover hidden assumptions in the corner offices of great corporations.

0101	Mark Wellman Th 3:25pm - 5:55pm	Seats (Total: 60) TWS 1100
FC01	Jeff Miller TuTh 5:00pm - 6:15pm *Restricted to students in Freshman Connection.*	Seats (Total: 40) TYD 1132

BMGT289L **The Proper Role of Government in a Free Enterprise System**

BMGT289L The Proper Role of Government in a Free Enterprise System; (3 credits) Grade Method: REG. CORE Behavioral and Social Science (SB) Course. GenEd: Distributive Studies - History and Social Sciences; Signature Courses - I-Series.

0101	Leland Gardner W 5:00pm - 7:40pm	Seats (Total: 55) VMH 1336

BMGT298R **Special Topics in Business and Management; Quantitative Methods for Business**
Contact department for information to register for this course.

BMGT301 **Introduction to Information Systems**

BMGT301 Introduction to Information Systems; (3 credits) Grade Method: REG. *Restriction: Must be in a major in BMGT-Robert H. Smith School of Business. Additional information: CMSC majors will not receive credit for this course towards their upper level concentration in their CMSC major. All BMGT majors, including students who are a double major in CMCS, must complete BMGT301 for their BMGT degree.* Comprehensive overview of information systems (IS), which explores the strategic and tactical nature of IS. The basic concepts in analyzing and designing information systems for business applications will be presented. Aspects of data management such as databases, data warehousing, data analysis, and data mining will be analyzed, and the basics of web page and web site design will be outlined. Students will also be introduced to modern information systems infrastructure such as telecommunications, networks, and information systems security. Knowledge of Excel or a similar spreadsheet tool. Restricted to BMGT majors with 53 credits completed.

0101	Zeinab Karake MW 9:30am - 10:45am	Seats (Total: 60) VMH 1412
0201	Barnet Corwin MW 3:30pm - 4:45pm	Seats (Total: 55) VMH 1335
0301	Peter Weiss TuTh 11:00am - 12:15pm	Seats (Total: 60) VMH 1303
0401	Peter Weiss TuTh 12:30pm - 1:45pm	Seats (Total: 60) VMH 1303
0501	Zeinab Karake MW 12:30pm - 1:45pm	Seats (Total: 60) VMH 1303
0601	Guodong Gao MW 5:00pm - 6:15pm	Seats (Total: 55) VMH 1335
0701	Guodong Gao M 7:00pm - 9:40pm	Seats (Total: 60) VMH 1303

BMGT301F **Introduction to Information Systems**

BMGT301F Introduction to Information Systems; (3 credits) Grade Method: REG. *Restriction: Must be in a major in BMGT-Robert H. Smith School of Business. Additional information: CMSC majors will not receive credit for this course towards their upper level concentration in their CMSC major. All BMGT majors, including students who are a double major in CMCS, must complete BMGT301 for their BMGT degree.* Comprehensive overview of information systems (IS), which explores the strategic and tactical nature of IS. The basic concepts in analyzing and designing information systems for business applications will be presented. Aspects of data management such as databases, data warehousing, data analysis, and data mining will be analyzed, and the basics of web page and web site design will be outlined. Students will also be introduced to modern information systems infrastructure such as telecommunications, networks, and information systems security. Knowledge of Excel or a similar spreadsheet tool. Restricted to second year students in the Smith School's Freshman Fellows program with 45 credits.

FP01	Sivakumar Viswanathan MW 12:30pm - 1:45pm	Seats (Total: 60) VMH 1412	

BMGT302 **Developing Business Applications**

BMGT302 Developing Business Applications; (3 credits) Grade Method: REG. *Prerequisite: BMGT301; or permission of BMGT-Robert H. Smith School of Business. Restriction: Must be in a major in BMGT-Robert H. Smith School of Business; and must not be in Computer Science program.* The course provides a structured approach to business application development and programming. Problem solving techniques, program design, and logic, are emphasized. Hands-on exercises in which students participate in designing and developing cross-disciplinary business applications are included. Restricted to BMGT majors with 53 credit hours completed. Not open to Computer Science Majors.

0101	Peng Huang TuTh 11:00am - 12:15pm Th 5:00pm - 5:50pm	Seats (Total: 30) VMH 1311 VMH 1311	 Lab
0201	Peng Huang MW 3:30pm - 4:45pm Th 6:00pm - 6:50pm	Seats (Total: 30) VMH 1311 VMH 1311	 Lab

BMGT302F **Developing Business Applications**

BMGT302F Developing Business Applications; (3 credits) Grade Method: REG. *Prerequisite: BMGT301; or permission of BMGT-Robert H. Smith School of Business. Restriction: Must be in a major in BMGT-Robert H. Smith School of Business; and must not be in Computer Science program.* The course provides a structured approach to business application development and programming. Problem solving techniques, program design, and logic, are emphasized. Hands-on exercises in which students participate in designing and developing cross-disciplinary business applications are included. Restricted to students in the Smith School's TBT Fellows program.

FP01	Peng Huang	Seats (Total: 25)	
	MW 12:30pm - 1:45pm	VMH 1311	
	Th 7:00pm - 7:50pm	VMH 1311	Lab
	Th 6:00pm - 6:50pm	VMH 1415	Lab

BMGT310 **Intermediate Accounting I**

BMGT310 Intermediate Accounting I; (3 credits) Grade Method: REG. *Prerequisite: BMGT221.* Comprehensive analysis of financial accounting topics related to financial statement preparation and external reporting.

0101	Robert Felix	Seats (Total: 40)
	TuTh 9:30am - 10:45am	VMH 1335
	Restricted to Accounting or Finance majors with 53 credit hours completed.	
0201	Stephen Brown	Seats (Total: 40)
	MW 11:00am - 12:15pm	VMH 1411
	Restricted to Accounting or Finance majors with 53 credit hours completed.	
0301	Stephen Brown	Seats (Total: 40)
	MW 12:30pm - 1:45pm	VMH 1411
	Restricted to Accounting or Finance majors with 53 credit hours completed.	
0401	Stephen Brown	Seats (Total: 40)
	MW 2:00pm - 3:15pm	VMH 1206
	Restricted to Accounting or Finance majors with 53 credit hours completed.	

0501	James McKinney TuTh 12:30pm - 1:45pm	Seats (Total: 40) VMH 1411
	Restricted to Accounting or Finance majors with 53 credit hours completed.	
SG91	Leslie Mostow TuTh 9:30am - 10:45am	Seats (Total: 45) BLD3 4215
	Restricted to BMGT-Shady Grove Juniors majoring in Accounting. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.	
SG92	Leslie Mostow TuTh 11:00am - 12:15pm	Seats (Total: 45) BLD3 4215
	Restricted to BMGT- Shady Grove Juniors majoring in Accounting. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.	

BMGT311 **Intermediate Accounting II**

BMGT311 Intermediate Accounting II; (3 credits) Grade Method: REG. *Prerequisite: BMGT310.* Continuation of BMGT310. Restricted to accounting majors with 60 credit hours completed.

0101	Sandra Rose MW 11:00am - 12:15pm	Seats (Total: 43) VMH 1335
0201	Sandra Rose MW 12:30pm - 1:45pm	Seats (Total: 43) VMH 1335
0301	Oliver Kim MW 9:30am - 10:45am	Seats (Total: 43) VMH 1411

BMGT313 **Financial Statement Analysis**

BMGT313 Financial Statement Analysis; (3 credits) Grade Method: REG. *Prerequisite: BMGT221.* Provides students with the tools to conduct a financial statement analysis, which is part of an overall business analysis. Involves understanding and using the information that financial statements are communicating to users. Restricted to Accounting and Finance majors with 53 credits completed.

0101	Gary Bulmash MW 2:00pm - 3:15pm	Seats (Total: 35) VMH 1202

BMGT313F **Financial Statement Analysis**

BMGT313F Financial Statement Analysis; (3 credits) Grade Method: REG. *Prerequisite: BMGT221.* Provides students with the tools to conduct a financial statement analysis, which is part of an overall business analysis. Involves understanding and using the information that financial statements are communicating to users.

FP01	Gary Bulmash MW 9:30am - 10:45am *Restricted to Emerging CFOs Fellows (FPEC).*	Seats (Total: 35) VMH 1202
FP02	Gary Bulmash MW 11:00am - 12:15pm *Restricted to Financial Services Fellows (FPFS).*	Seats (Total: 35) VMH 1202

BMGT321 **Managerial Accounting**

BMGT321 Managerial Accounting; (3 credits) Grade Method: REG. *Prerequisite: BMGT221.* A study of the basic concepts of product costing and cost analysis for management planning and control. Emphasis is placed on the role of the accountant in organizational management, analysis of cost behavior, standard cost budgeting, responsibility accounting and relevant costs for decision-making.

0101	Espey Browning TuTh 12:30pm - 1:45pm *Restricted to BMGT majors with 53 credit hours completed.*	Seats (Total: 45) VMH 1202
0201	Espey Browning TuTh 11:00am - 12:15pm *Restricted to BMGT majors with 53 credit hours completed.*	Seats (Total: 45) VMH 1202
0301	Espey Browning TuTh 2:00pm - 3:15pm *Restricted to BMGT majors with 53 credit hours completed.*	Seats (Total: 45) VMH 1303
0401	Maryjane Rabier TuTh 3:30pm - 4:45pm *Restricted to BMGT majors with 53 credit hours completed.*	Seats (Total: 45) VMH 1202

SG91	Espey Browning MW 2:00pm - 3:15pm	Seats (Total: 0) BLD3 3240
	Restricted to BMGT-Shady Grove Seniors majoring in Accounting. Other st dents may request enrollment on a space available basis. UMCP undergradu ate BMGT students are not eligible to enroll at Shady Grove.	

BMGT323 **Taxation of Individuals**

BMGT323 Taxation of Individuals; (3 credits) Grade Method: REG. *Prerequisite: BMGT221.* Federal taxation of individuals focusing on income, exclusions, deductions, depreciation, credits and capital transactions. Property coverage includes the tax consequences of sales and dispositions of investment and business assets. Both tax planning and compliance issues are covered.

0101	Jeffrey Milton MW 2:00pm - 3:15pm	Seats (Total: 40) VMH 1307
	Restricted to accounting majors with 53 credit hours completed.	
0201	Jeffrey Milton MW 3:30pm - 4:45pm	Seats (Total: 40) VMH 1307
	Restricted to accounting majors with 53 credit hours completed.	
0301	Leslie Mostow TuTh 3:30pm - 4:45pm	Seats (Total: 40) VMH 1206
	Restricted to accounting majors with 53 credit hours completed.	
0401	Leslie Mostow TuTh 5:00pm - 6:15pm	Seats (Total: 40) VMH 1206
	Restricted to accounting majors with 53 credit hours completed.	
SG91	Alexander Ruygrok TuTh 11:00am - 12:15pm	Seats (Total: 45) BLD3 3219
	Restricted to BMGT-Shady Grove Seniors majoring in Accounting. UMCP undergraduate BMGT students are not eligible at Shady Grove.	
SG92	Alexander Ruygrok TuTh 12:30pm - 1:45pm	Seats (Total: 45) BLD3 3219
	Restricted to BMGT-Shady Grove Seniors majoring in Accounting. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.	

BMGT326 **Accounting Systems**

BMGT326 Accounting Systems; (3 credits) Grade Method: REG.
Prerequisite: BMGT221; and (BMGT201 or BMGT301). A study of accounting systems and computer and communications technology.

0101	Jodell Johnson MW 11:00am - 12:15pm *Restricted to Accounting majors with 60 credit hours completed.*	Seats (Total: 40) VMH 1206
0201	Jodell Johnson MW 12:30pm - 1:45pm *Restricted to Accounting majors with 60 credit hours completed.*	Seats (Total: 40) VMH 1206
0301	Jodell Johnson M 7:00pm - 9:40pm *Restricted to Accounting majors with 60 credit hours completed.*	Seats (Total: 40) VMH 1307
SG91	Jodell Johnson TuTh 9:30am - 10:45am *Restricted to BMGT-Shady Grove Seniors majoring in Accounting. UMCP undergraduate students are not eligible to enroll at Shady Grove.*	Seats (Total: 45) BLD3 4212
SG92	Jodell Johnson TuTh 11:00am - 12:15pm *Restricted to BMGT-Shady Grove Seniors majroing in Accounting. UMCP undergraduate BMGT are not eligible to enroll at Shady Grove.*	Seats (Total: 45) BLD3 4212

BMGT332 **Operations Research For Management Decisions**

BMGT332 Operations Research For Management Decisions; (3 credits) Grade Method: REG.
Prerequisite: BMGT231 or BMGT230; or students who have taken courses with similar or comparable course content may contact the department. Surveys the philosophy, techniques and applications of operations research to managerial decision-making. Techniques covered include: linear programming, transportation and assignment models, Markov processes and inventory and queuing models. Emphasis is placed on formulating and solving decision problems in the functional areas of management. Restricted to BMGT majors and Quest students with 53 credit hours completed.

0101	Kazim Ruhi TuTh 12:30pm - 1:45pm	Seats (Total: 50) VMH 1330
0201	Kazim Ruhi TuTh 2:00pm - 3:15pm	Seats (Total: 50) VMH 1202

BMGT340 **Business Finance**

BMGT340 Business Finance; (3 credits) Grade Method: REG.
Prerequisite: BMGT221; and (BMGT231 or BMGT230). Topics include: the principles and practices involved in the organization, financing and rehabilitation of business enterprises; the various types of securities and their use in raising funds, apportioning income, risk and control; intercorporate relations; and new developments. Emphasis on solution of problems of financial policy faced by management.

0101	Michael Padhi MW 11:00am - 12:15pm	Seats (Total: 54) VMH 1412
	Restricted to BMGT majors with 53 credit hours completed. Where a BMGT exam conflicts with a regularly scheduled class, the student will be provided a makeup exam.	
0401	Karen Hallows TuTh 9:30am - 10:45am	Seats (Total: 63) VMH 1412
	Restricted to BMGT majors with 53 credit hours completed. Where a BMGT exam conflicts with a regularly scheduled class, the student will be provided a makeup exam.	
0501	Karen Hallows TuTh 11:00am - 12:15pm	Seats (Total: 63) VMH 1412
	Restricted to BMGT majors with 53 credit hours completed. Where a BMGT exam conflicts with a regularly scheduled class, the student will be provided a makeup exam.	
0601	Karen Hallows TuTh 3:30pm - 4:45pm	Seats (Total: 60) VMH 1303
	Restricted to BMGT majors with 53 credit hours completed. Where a BMGT exam conflicts with a regularly scheduled class, the student will be provided a makeup exam.	
0701	Michael Padhi TuTh 5:00pm - 6:15pm	Seats (Total: 60) VMH 1303
	Restricted to BMGT majors with 53 credit hours completed. Where a BMGT exam conflicts with a regularly scheduled class, the student will be provided a makeup exam.	

BL01	Susan White MW 2:00pm - 3:15pm	Seats (Total: 63) VMH 1212
	One of the "Blended Initiative" Courses for Fall 2012: An innovative learning opportunity; http://www.provost.umd.edu/announcements/BlendedLe arning2011.cfm/ Click here for more course information.	
BL02	Susan White MW 3:30pm - 4:45pm	Seats (Total: 63) VMH 1212
	One of the "Blended Initiative" Courses for Fall 2012: An innovative learning opportunity; http://www.provost.umd.edu/announcements/BlendedLe arning2011.cfm/ Click here for more course information.	
SG91	Michael Lee TuTh 11:00am - 12:15pm	Seats (Total: 60) BLD3 2230
	Restriced to BMGT-Shady Grove Juniors majoring in Accounting and Entrepreneurship. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.	
SG92	Michael Lee TuTh 12:30pm - 1:45pm	Seats (Total: 60) BLD3 2230
	Restricted to BMGT-Shady Grove Juniors majoring in Accounting and Entrepreneurhip. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.	
SG93	Michael Lee TuTh 2:00pm - 3:15pm	Seats (Total: 60) BLD3 2230
	Restricted to BMGT-Shady Grove Juniors majoring in International Business and Marketing. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT undergraduate students are not eligible to enroll at Shady Grove.	

BMGT340H **Business Finance**

BMGT340H *(PermReq)* **Business Finance; (3 credits)** Grade Method: REG. *Prerequisite: BMGT221; and (BMGT231 or BMGT230).* Topics include: the principles and practices involved in the organization, financing and rehabilitation of business enterprises; the various types of securities and their use in raising funds, apportioning income, risk and control; intercorporate relations; and new developments. Emphasis on solution of problems of financial policy faced by management. Restricted to BMGT Honors students with 53 credit hours completed.

0101	Vojislav Maksimovic MW 9:30am - 10:45am	Seats (Total: 35) VMH 1415

BMGT340N **Business Finance**

BMGT340N Business Finance; (3 credits) Grade Method: REG.
Prerequisite: BMGT221; and (BMGT231 or BMGT230). Topics include: the principles and practices involved in the organization, financing and rehabilitation of business enterprises; the various types of securities and their use in raising funds, apportioning income, risk and control; intercorporate relations; and new developments. Emphasis on solution of problems of financial policy faced by management. Restricted to agricultural and resource economics majors (0111C) with 53 credit hours completed.

0101	Michael Padhi MW 11:00am - 12:15pm	Seats (Total: 9) VMH 1412

BMGT343 **Investments**

BMGT343 Investments; (3 credits) Grade Method: REG.
Prerequisite: BMGT340. An introduction to financial investments. Topics include: securities and securities markets; investment risks, returns and constraints; portfolio policies; and institutional investment policies. Restricted to Finance majors with 60 credit hours completed.

0101	Anna Obizhaeva TuTh 9:30am - 10:45am	Seats (Total: 45) VMH 1336
0201	Xiaohui Bakshi TuTh 11:00am - 12:15pm	Seats (Total: 45) VMH 1336
0301	Xiaohui Bakshi TuTh 12:30pm - 1:45pm	Seats (Total: 45) VMH 1418
0401	Michael Lee MW 12:30pm - 1:45pm	Seats (Total: 40) VMH 2203

BMGT350 **Marketing Principles and Organization**

BMGT350 Marketing Principles and Organization; (3 credits) Grade Method: REG. *Prerequisite: ECON200 or ECON205.* An introduction to the concepts and principles of marketing including the marketing of service and nonprofit organizations. Provides an overview of all the concepts in marketing including relationship marketing, product development, pricing, promotion, marketing research, consumer behavior, international marketing, distribution and internal marketing to employees.

0101	Roxanne Lefkoff MW 9:30am - 10:45am *Restricted to BMGT majors with 53 credit hours completed.*	Seats (Total: 60) VMH 1333
0201	Roxanne Lefkoff MW 12:30pm - 1:45pm *Restricted to BMGT majors with 53 credit hours completed.*	Seats (Total: 60) VMH 1333
0301	Roxanne Lefkoff MW 2:00pm - 3:15pm *Restricted to BMGT majors with 53 credit hours completed.*	Seats (Total: 60) VMH 1333
0401	Diane Whitney TuTh 9:30am - 10:45am *Restricted to BMGT majors with 53 credit hours completed.*	Seats (Total: 50) VMH 1212
0501	Diane Whitney TuTh 11:00am - 12:15pm *Restricted to BMGT majors with 53 credit hours completed.*	Seats (Total: 60) VMH 1212
0601	Diane Whitney TuTh 2:00pm - 3:15pm *Restricted to BMGT majors with 53 credit hours completed.*	Seats (Total: 60) VMH 1412
0701	Diane Whitney TuTh 3:30pm - 4:45pm *Restricted to BMGT majors with 53 credit hours completed.*	Seats (Total: 60) VMH 1412
SG91	Henry Boyd MW 9:30am - 10:45am *Restricted to BMGT-Shady Grove Juniors. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.*	Seats (Total: 60) BLD2 3032

SG92	Henry Boyd MW 11:00am - 12:15pm	Seats (Total: 60) BLD2 3032
	Restricted to BMGT-Shady Grove Juniors. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.	
SG93	Henry Boyd MW 2:00pm - 3:15pm	Seats (Total: 60) BLD2 3032
	Restricted to BMGT-Shady Grove Juniors. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.	

BMGT350H **Marketing Principles and Organization**

BMGT350H *(PermReq)* **Marketing Principles and Organization; (3 credits)** Grade Method: REG.
Prerequisite: ECON200 or ECON205. An introduction to the concepts and principles of marketing including the marketing of service and nonprofit organizations. Provides an overview of all the concepts in marketing including relationship marketing, product development, pricing, promotion, marketing research, consumer behavior, international marketing, distribution and internal marketing to employees. Restricted to BMGT Honors students with 53 credit hours completed.

0101	Roxanne Lefkoff TuTh 9:30am - 10:45am	Seats (Total: 35) VMH 1415

BMGT350N **Marketing Principles and Organization**

BMGT350N Marketing Principles and Organization; (3 credits) Grade Method: REG.
Prerequisite: ECON200 or ECON205. An introduction to the concepts and principles of marketing including the marketing of service and nonprofit organizations. Provides an overview of all the concepts in marketing including relationship marketing, product development, pricing, promotion, marketing research, consumer behavior, international marketing, distribution and internal marketing to employees. Restricted to agricultural and resource economics (0111C) and horticulture (0107C) majors with 53 credit hours completed.

0401	Diane Whitney TuTh 9:30am - 10:45am	Seats (Total: 10) VMH 1212	

BMGT353 **Retail Management**

BMGT353 Retail Management; (3 credits) Grade Method: REG.
Prerequisite: BMGT220 and BMGT350. Planning and implementing retail marketing strategy. Store and nonstore (catalog, internet) retailing. Evaluation of how environmental trends in the consumer market, competition, the economy and technology affect retail strategy in the U.S. and global market. Restricted to BMGT majors with 60 credit hours completed.

0201	Janet Wagner TuTh 2:00pm - 3:15pm	Seats (Total: 35) VMH 1415	
0301	Janet Wagner TuTh 3:30pm - 4:45pm	Seats (Total: 35) VMH 1415	

BMGT360 **Strategic Management of Human Capital**

BMGT360 Strategic Management of Human Capital; (3 credits) Grade Method: REG.
Provides students with the basic knowledge needed to help organizations attract, select, develop, engage, evaluate, and retain talent. Topics covered may include strategic HRM, the role of globalization, legal issues in HRM, work analysis, HR planning, recruitment, personnel selection, performance management and appraisal, training and development, career development, compensation systems, motivating and rewarding performance, labor relations, and employee health and safety.

0101	James Spina MW 11:00am - 12:15pm F 9:00am - 9:50am *Open to all students with 53 credit hours completed.*	Seats (Total: 35) VMH 1212 VMH 1415	Discussion
0102	James Spina MW 11:00am - 12:15pm F 10:00am - 10:50am *Open to all students with 53 credit hours completed.*	Seats (Total: 35) VMH 1212 VMH 1415	Discussion

0103	James Spina	Seats (Total: 35)	
	MW 11:00am - 12:15pm F 11:00am - 11:50am	VMH 1212 VMH 1415	Discussion
	Open to all students with 53 credit hours completed.		
0104	James Spina	Seats (Total: 35)	
	MW 11:00am - 12:15pm F 12:00pm - 12:50pm	VMH 1212 VMH 1415	Discussion
	Open to all students with 53 credit hours completed.		
0105	James Spina	Seats (Total: 35)	
	MW 11:00am - 12:15pm F 1:00pm - 1:50pm	VMH 1212 VMH 1415	Discussion
	Open to all students with 53 credit hours completed.		
0106	James Spina	Seats (Total: 35)	
	MW 11:00am - 12:15pm F 2:00pm - 2:50pm	VMH 1212 VMH 1415	Discussion
	Open to all students with 53 credit hours completed.		
SG91	Lori Spina	Seats (Total: 45)	
	TuTh 9:30am - 10:45am	BLD3 3219	
	Restricted to BMGT-Shady Grove Juniors majoring in Entrepreneurship. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.		

BMGT361 Entrepreneurship: Starting and Managing the Entrepreneurial Venture

BMGT361 Entrepreneurship: Starting and Managing the Entrepreneurial Venture; (3 credits) Grade Method: REG.
Restriction: Must be in a major in BMGT-Robert H. Smith School of Business; and Must be in the Smith Entrepreneurship Fellows Program; and must not have completed BMGT461. Credit only granted for: BMGT261, BMGT361, or BMGT461. Formerly: BMGT261. Focuses on the early development of a new venture. Topics include: idea-getting, opportunity recognition, feasibility studies, new venture financing and startup. Guests speakers and practicing entrepreneurs offer real world guidance. Restricted to students admitted to the Smith Entrepreneurship Fellows Program. Registration is restricted to BMGT-Shady Grove Entrepreneirship majors with fewer than 75 credits. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.

SG91	Oliver Schlake	Seats (Total: 40)
	Tu 2:00pm - 4:40pm	BLD3 3220
	Restricted to BMGT-Shady Grove Juniors majoring in Entrepreneurship. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.	

BMGT363 **Leadership and Teamwork in Organizations**

BMGT363 Leadership and Teamwork in Organizations; (3 credits) Grade Method: REG.
Credit only granted for: BMGT363 or BMGT498D. Formerly: BMGT498D. Provides a comprehensive understanding of fundamental leadership concepts, theories, and skills in organizations and applies to assessing and developing effective leadership practices in organizations. Restricted to Management majors.

0101	Jose Suarez	Seats (Total: 45)
	MW 2:00pm - 3:15pm	VMH 1411

BMGT364 **Management and Organization Theory**

BMGT364 Management and Organization Theory; (3 credits) Grade Method: REG. An introduction to selected aspects of human behavior in organizations generally known as organizational behavior (OB). This course is designed to help students develop systematic and fundamental understanding of people and their behaviors in organizations, as well as useful abilities and skills required to effectively and ethically manage various individual, interpersonal, group, and organization-level processes.

0101	Nicole Coomber MW 9:30am - 10:45am *Restricted to BMGT majors with 53 credit hours completed.*	Seats (Total: 55) VMH 1303
0201	Jose Suarez MW 3:30pm - 4:45pm *Restricted to BMGT majors with 53 credit hours completed.*	Seats (Total: 60) VMH 1303
0301	Jennifer Armstrong MW 5:00pm - 6:15pm *Restricted to BMGT majors with 53 credit hours completed.*	Seats (Total: 60) VMH 1303
0401	Patricia Cleveland TuTh 9:30am - 10:45am *Restricted to BMGT majors with 53 credit hours completed.*	Seats (Total: 60) VMH 1303
0501	Patricia Cleveland TuTh 3:30pm - 4:45pm *Restricted to BMGT majors with 53 credit hours completed.*	Seats (Total: 60) VMH 1212
0601	Jennifer Armstrong TuTh 5:00pm - 6:15pm *Restricted to BMGT majors with 53 credit hours completed.*	Seats (Total: 60) VMH 1212
0701	Nicole Coomber Tu 7:00pm - 9:40pm *Restricted to BMGT majors with 53 credit hours completed.*	Seats (Total: 60) VMH 1330
SG91	Gosia Langa MW 8:00am - 9:15am *Restricted to BMGT-Shady Grove Juniors. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.*	Seats (Total: 60) BLD2 2032
SG92	Gosia Langa MW 9:30am - 10:45am *Restricted to BMGT-Shady Grove Juniors. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.*	Seats (Total: 60) BLD2 2032

SG93	Gosia Langa MW 11:00am - 12:15pm	Seats (Total: 60) BLD2 2032
	Restricted to BMGT-Shady Grove Juniors. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.	

BMGT364N **Management and Organization Theory**

BMGT364N Management and Organization Theory; (3 credits) Grade Method: REG.
An introduction to selected aspects of human behavior in organizations generally known as organizational behavior (OB). This course is designed to help students develop systematic and fundamental understanding of people and their behaviors in organizations, as well as useful abilities and skills required to effectively and ethically manage various individual, interpersonal, group, and organization-level processes. Restricted to agricultural and resource economics (0111C) and dietetics (1307D) majors with 53 credit hours completed.

0101	Nicole Coomber MW 9:30am - 10:45am	Seats (Total: 5) VMH 1303

BMGT367 **Career Search Strategies in Business**

BMGT367 Career Search Strategies in Business; (1 credit) Grade Method: REG. *Restriction: Must be in a major in BMGT-Robert H. Smith School of Business.* An overview and opportunity to practice job search skills critical to obtaining internships and full-time positions. Course will cover strategies for exploring career options, preparing job search materials, development of job search skills such as interviewing and networking. Students are encouraged to take this course in the sophomore or junior year.

0101	Robert Raybits M 5:00pm - 5:50pm	Seats (Total: 75) VMH 1528
	Restricted to BMGT students with 45 credit hours completed.	
0201	Michael Poerksen Tu 5:00pm - 5:50pm	Seats (Total: 75) VMH 1528
	Restricted to BMGT students with 45 credit hours completed.	

0301	Wanda Lucas W 5:00pm - 5:50pm	Seats (Total: 75) VMH 1528
	Restricted to BMGT students with 45 credit hours completed.	
0401	Tricia Giacone M 6:00pm - 6:50pm	Seats (Total: 75) VMH 1528
	Restricted to BMGT students with 45 credit hours completed.	
0501	Daniel O'Brien M 4:00pm - 4:50pm	Seats (Total: 75) VMH 1528
	Restricted to BMGT students with 45 credit hours completed.	
0601	Susan Powell W 4:00pm - 4:50pm	Seats (Total: 75) VMH 1528
	Restricted to BMGT students with 45 credit hours completed.	
SG91	Nina Maggio M 5:00pm - 5:50pm	Seats (Total: 100) BLD3 3241
	Restricted to BMGT-Shady Grove Juniors majroing in Entrepreneurship, International Business, and Marketing. Other students may request enrollment on a space available basis. UMCP undergraduate students are not eligible to enroll at Shady Grove.	
SG92	Edward Lavino W 5:00pm - 5:50pm	Seats (Total: 85) BLD3 3241
	Restricted to BMGT-Shady Grove Juniors majoring in Accounting. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.	

BMGT370 **Introduction to Transportation**

BMGT370 Introduction to Transportation; (3 credits) Grade Method: REG.
An overview of the transportation field with an emphasis on freight movements from the perspective of both providers of capacity and users of freight services. Examines the characteristics of the freight modes and the role of each mode as a major component of logistics and supply chain management. Explores the economics, energy use, and finances of each mode as well as the impact of government policies on each mode's future. Discussion of infrastructure and capacity needs of the transportation system and its ability to support the economy. Restricted to BMGT majors with 53 credit hours completed.

0101	Leland Gardner TuTh 2:00pm - 3:15pm	Seats (Total: 45) VMH 1307
0201	Leland Gardner TuTh 3:30pm - 4:45pm	Seats (Total: 45) VMH 1307

BMGT372 **Introduction to Logistics and Supply Chain Management**

BMGT372 Introduction to Logistics and Supply Chain Management; (3 credits) Grade Method: REG.
Supply chain management involves the coordination of suppliers, manufacturers, distributors, and retailers to ensure that products and services are available to the final consumer in a timely and cost-effective fashion. Logistics management is the subset of supply chain management dealing with the physical flows of product and includes such activities as transportation management, warehousing, materials handling, inventory management, and order fulfillment. Attention is paid to the logistics cost trade-offs within the firm and between members of the supply chain. Restricted to BMGT majors with 53 credit hours completed.

0101	Stephanie Eckerd TuTh 9:30am - 10:45am	Seats (Total: 45) VMH 1206
0201	Stephanie Eckerd TuTh 11:00am - 12:15pm	Seats (Total: 45) VMH 1206
0301	Richard Hutchins MW 2:00pm - 3:15pm	Seats (Total: 45) VMH 1418
0401	Jeff Miller MW 3:30pm - 4:45pm	Seats (Total: 45) VMH 1418

BMGT380 **Business Law I**

BMGT380 Business Law I; (3 credits) Grade Method: REG.
Legal aspects of business relationships. Examination of torts and business crimes, contracts and agency. The law of personal property and bailment relationships. Survey of public policy issues.

0101	William McClenahan MW 9:30am - 10:45am *Restricted to BMGT majors with 53 credit hours completed. Other interested students should review their eligibility for BMGT 380N.*	Seats (Total: 50) VMH 1330
0201	William McClenahan MW 11:00am - 12:15pm *Restricted to BMGT majors with 53 credit hours completed. Other interested students should review their eligibility for BMGT 380N.*	Seats (Total: 60) VMH 1330
0301	Gideon Mark MW 12:30pm - 1:45pm *Restricted to BMGT majors with 53 credit hours completed. Other interested students should review their eligibility for BMGT 380N.*	Seats (Total: 60) VMH 1330
0401	Gideon Mark MW 2:00pm - 3:15pm *Restricted to BMGT majors with 53 credit hours completed. Other interested students should review their eligibility for BMGT 380N.*	Seats (Total: 60) VMH 1330
0501	William McClenahan TuTh 9:30am - 10:45am *Restricted to BMGT majors with 53 credit hours completed. Other interested students should review their eligibility for BMGT 380N.*	Seats (Total: 60) VMH 1330
0601	William McClenahan TuTh 2:00pm - 3:15pm *Restricted to BMGT majors with 53 credit hours completed. Other interested students should review their eligibility for BMGT 380N.*	Seats (Total: 60) VMH 1330
0701	Richard Daniels TuTh 3:30pm - 4:45pm *Restricted to BMGT majors with 53 credit hours completed. Other interested students should review their eligibility for BMGT 380N.*	Seats (Total: 55) VMH 1528
SG91	Brian Nelson MW 9:30am - 10:45am *Restricted to BMGT-shady Grove Seniors. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.*	Seats (Total: 55) BLD3 3202

SG92	Brian Nelson MW 11:00am - 12:15pm	Seats (Total: 55) BLD3 3202
	Restricted to BMGT-Shady Grove Seniors. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.	
SG93	Brian Nelson MW 12:30pm - 1:45pm	Seats (Total: 55) BLD3 3202
	Restricted to BMGT-Shady Grove Seniors. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.	

BMGT380N **Business Law I**

BMGT380N Business Law I; (3 credits) Grade Method: REG.
Legal aspects of business relationships. Examination of torts and business crimes, contracts and agency. The law of personal property and bailment relationships. Survey of public policy issues. Restricted to agricultural and resource economics majors (0111C) with 53 credit hours completed.

0101	William McClenahan MW 9:30am - 10:45am	Seats (Total: 10) VMH 1330

BMGT381 **Business Law II**

BMGT381 Business Law II; (3 credits) Grade Method: REG.
Prerequisite: BMGT380; or permission of BMGT-Robert H. Smith School of Business.
The Uniform Commercial Code, including sales, commercial paper, secured transactions, bulk sales and documents of title. The law of partnerships and corporations. Reorganization and liquidation under the bankruptcy laws. The law of real property, landlord and tenant relationships and decedents' estates. Restricted to BMGT majors with 63 credit hours completed.

0101	William McClenahan TuTh 3:30pm - 4:45pm	Seats (Total: 60) VMH 1330

BMGT385 **Operations Management**

BMGT385 Operations Management; (3 credits) Grade Method: REG.
Credit only granted for: BMGT385 or ENME426. Studies the design, management and improvement of a firm's processes and systems for creation and delivery of products and services. Includes strategic and operational views of supply chain, product development, and capacity analysis, highlighting the competitive advantages that operations management can provide the firm. Restricted to BMGT majors and QUEST program students with 53 credit hours completed and to Business Process Fellows.

0101	Kazim Ruhi MW 11:00am - 12:15pm	Seats (Total: 45) VMH 1303
0201	Kazim Ruhi MW 12:30pm - 1:45pm	Seats (Total: 45) VMH 1202

BMGT390H **Systems Thinking for Managerial Decision Making**

BMGT390H Systems Thinking for Managerial Decision Making; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ENES190 or BMGT190; and Must be a QUEST student. Also offered as: ENES390. Credit only granted for: BMGT390, BMGT498X, ENES390, or ENES498X. Formerly: BMGT498X. An introduction to the theory, concepts, tools, and practices of systems thinking to enhance managerial decision making. Offers a blend of theory, real-life examples, and proven methods to initiate and sustain an organization-wide reorientation towards systems thinking. Restricted to QUEST program students. Also offered as ENES390H.

0101	Jose Suarez MW 5:00pm - 6:15pm	Seats (Total: 45) VMH 1307

BMGT392 **Introduction to International Business Management**

BMGT392 Introduction to International Business Management; (3 credits) Grade Method: REG.
Prerequisite: ECON200. A study of the domestic and foreign environmental factors affecting the international operations of U.S. business firms. The course also covers the administrative aspects of international marketing, finance and management. Restricted to BMGT majors with 53 credit hours completed.

0101	Peter Morici TuTh 3:30pm - 4:45pm	Seats (Total: 40) VMH 1418
0201	Peter Morici TuTh 5:00pm - 6:15pm	Seats (Total: 40) VMH 1418

BMGT398 **Individual Study in Business and Management**

BMGT398 *(PermReq)* **Individual Study in Business and Management; (1-3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BMGT398A **Individual Study in Business and Management; Internship**

BMGT398A *(PermReq)* **Individual Study in Business and Management: Internship; (1-3 credits)** Grade Method: REG/P-F/AUD.
Restricted to Smith School of Business students. Interested students should contact Ashlee Kerkhoff (akerkhof@rhsmith.umd.edu) for details and permission. Click here for more course information.

0101	Jeffrey Kudisch Contact instructor or department for details.	Seats (Total: 25)
SG91	Jeffrey Kudisch Contact instructor or department for details.	Seats (Total: 10)

BMGT398C **Individual Study in Business and Management; Undergraduate Teaching Scholars Training**

BMGT398C *(PermReq)* **Individual Study in Business and Management: Undergraduate Teaching Scholars Training; (1 credit)** Grade Method: REG/P-F.
Restricted to Accounting Teaching Scholars (FPTS).

0101	Gregory Pfeiffer Contact instructor or department for details.	Seats (Total: 19)

BMGT398M **Individual Study in Business and Management; Practicum in Team Management**

BMGT398M Individual Study in Business and Management: Practicum in Team Management; (2 credits) Grade Method: REG.
Restricted to QUEST Program students.

0101	Melanie Ashton	Seats (Total: 16)	
	Tu 6:00pm - 7:50pm	VMH 1415	

BMGT398T **Individual Study in Business and Management; The External Transfer Student in Smith**

BMGT398T *(PermReq)* **Individual Study in Business and Management: The External Transfer Student in Smith; (1 credit)** Grade Method: REG.
Restricted to incoming Fall 2012 Smith School External Transfer students only.

0101	Jeanette Snider, Evan Riddle	Seats (Total: 30)	
	Meets September 5, 2012 - October 24, 2012		
	W 5:00pm - 6:30pm	VMH 1415	

BMGT402 **Database Systems**

BMGT402 Database Systems; (3 credits) Grade Method: REG.
Prerequisite: BMGT301; or students who have taken courses with similar or comparable course content may contact the department. Recommended: BMGT302.
Introduction to basic concepts of database management systems. Relational databases, query languages and design will be covered. File-processing techniques are examined. Restricted to BMGT majors with 72 credit hours completed.

0101	Woei-Jyh Lee	Seats (Total: 35)	
	TuTh 2:00pm - 3:15pm	VMH 1336	
	Tu 5:00pm - 5:50pm	VMH 1311	Lab
0201	Kyongil Yoon	Seats (Total: 35)	
	MW 2:00pm - 3:15pm	VMH 1518	
	Tu 6:00pm - 6:50pm	VMH 1311	Lab
0301	Woei-Jyh Lee	Seats (Total: 35)	
	TuTh 12:30pm - 1:45pm	VHM 1415	
	Tu 7:00pm - 7:50pm	VMH 1311	Lab

BMGT403 **Systems Analysis and Design**

BMGT403 Systems Analysis and Design; (3 credits) Grade Method: REG.
Prerequisite: BMGT301; or students who have taken courses with similar or comparable course content may contact the department. Recommended: BMGT302. Techniques and tools applicable to the analysis and design of computer-based information systems. System life cycle, requirements analysis, logical design of databases and performance evaluation. Emphasis on case studies. Project required that involves the design, analysis and implementation of an information system. Restricted to BMGT majors with 72 credit hours completed.

0101	Hassan Ibrahim MW 11:00am - 12:15pm	Seats (Total: 40) VMH 1311
0201	Hassan Ibrahim M 7:00pm - 9:40pm	Seats (Total: 40) VMH 1311
0301	Peter Weiss W 7:00pm - 9:40pm	Seats (Total: 40) VMH 1418

BMGT406 **Electronic Commerce Application Development**

BMGT406 Electronic Commerce Application Development; (3 credits) Grade Method: REG.
Prerequisite: BMGT402 and BMGT302. Restriction: Must be in a major in BMGT-Robert H. Smith School of Business. Develops understanding of the fundamental principles of usability as they apply to electronic commerce applications. Aspects of website evaluation are examined. Course will also cover the design of usable business websites using current tools and techniques. Restricted to BMGT majors with 72 credit hours completed.

0101	Louiqa Raschid MW 5:00pm - 6:50pm	Seats (Total: 20) VMH 1311

BMGT407 **Information Systems Projects**

BMGT407 Information Systems Projects; (3 credits) Grade Method: REG.
Prerequisite: BMGT402 and BMGT403. Restriction: Senior standing. Senior capstone course for the decision and information sciences major. Collected knowledge from the DIS courses and application to significant problems of size and complexity. State-of-the-art research ideas and current business and industrial practices in information systems. Restricted to Information Systems majors with 86 credit hours completed.

0101	Hassan Ibrahim MW 2:00pm - 3:15pm	Seats (Total: 35) VMH 1311

BMGT411 **Ethics and Professionalism in Accounting**

BMGT411 Ethics and Professionalism in Accounting; (3 credits) Grade Method: REG.
Prerequisite: BMGT311. Restriction: Must be in Accounting program. Analysis and discussion of issues relating to ethics and professionalism in accounting. Restricted to Accounting majors with 86 credit hours completed.

0101	Nile Webb MW 11:00am - 12:15pm	Seats (Total: 40) VMH 1307
0201	Stephen Loeb MW 12:30pm - 1:45pm	Seats (Total: 40) VMH 1307
0301	Stephen Loeb MW 3:30pm - 4:45pm	Seats (Total: 40) VMH 1206

BMGT417 **Taxation of Corporations, Partnerships and Estates**

BMGT417 Taxation of Corporations, Partnerships and Estates; (3 credits) Grade Method: REG.
Prerequisite: BMGT221. Federal taxation of corporations using the life-cycle approach-formation, operation, assessment, merger, reorganization and liquidation. Overviews of pass-through entities - partnerships and s-corporations -using the life-cycle approach, and the tax consequences of wealth transfers by individuals - gift and estate taxation. Both tax planning and compliance issues are addressed. Restricted to Accounting majors with 84 credit hours completed.

0101	Eugene Cantor Tu 7:00pm - 9:40pm	Seats (Total: 40) VMH 1307

0201	Eugene Cantor W 7:00pm - 9:40pm	Seats (Total: 40) VMH 1412

BMGT422 **Auditing Theory and Practice**

BMGT422 Auditing Theory and Practice; (3 credits) Grade Method: REG.
Prerequisite: BMGT221. A study of the independent accountant's attest function, generally accepted auditing standards, compliance and substantive tests and report forms and opinions. Restricted to Accounting majors.

0101	James McKinney TuTh 9:30am - 10:45am	Seats (Total: 40) VMH 1411
0201	James McKinney TuTh 11:00am - 12:15pm	Seats (Total: 40) VMH 1411
0301	James McKinney TuTh 2:00pm - 3:15pm	Seats (Total: 40) VMH 1411

BMGT424 **Advanced Accounting**

BMGT424 Advanced Accounting; (3 credits) Grade Method: REG.
Prerequisite: BMGT311. Advanced accounting theory applied to specialized topics and current problems. Emphasis on consolidated statements and partnership accounting. Restricted to Accounting majors.

0101	Samuel Handwerger TuTh 2:00pm - 3:15pm	Seats (Total: 40) VMH 1418

BMGT428C **Special Topics in Accounting; Research for the Professional Accountant**

BMGT428C Special Topics in Accounting: Research for the Professional Accountant; (3 credits) Grade Method: REG.
Restricted to Accounting Majors. Prerequisite: BMGT 310, Recommend: BMGT 311 and BMGT 323

0101	James McKinney TuTh 3:30pm - 4:45pm	Seats (Total: 30) VMH 1411

BMGT430 **Linear Statistical Models in Business**

BMGT430 Linear Statistical Models in Business; (3 credits) Grade Method: REG. *Prerequisite: BMGT231 or BMGT230; or permission of BMGT-Robert H. Smith School of Business.* Model building involving an intensive study of the general linear stochastic model and the applications of this model to business problems. The model is derived in matrix form and this form is used to analyze both the regression and ANOVA formulations of the general linear model. Restricted to BMGT majors with 84 credit hours completed OR those in the Quantitative Finance Fellows Program (FPQF).

0101	Francis Alt	Seats (Total: 30)
	TuTh 12:30pm - 1:45pm	VMH 1335

BMGT434 **Introduction to Optimization**

BMGT434 Introduction to Optimization; (3 credits) Grade Method: REG. *Prerequisite: MATH220 or MATH140; or students who have taken courses with similar or comparable course content may contact the department. Recommended: MATH221; or MATH141. Restriction: Must be in a major in BMGT-Robert H. Smith School of Business.* Introduces concepts and techniques of operations research to model and solve business decision problems, focusing on optimization and commercially available software tools. Models include linear programming, the transportation and assignment problems, network flow models, and non-linear programming. Emphasis is placed on analyzing business scenarios and formulating associated decision models. Restricted to BMGT majors and Quest students with 72 credit hours completed.

0101	Ilya Ryzhov	Seats (Total: 40)
	MW 2:00pm - 3:15pm	VMH 1335

BMGT435 **Business Process Simulation**

BMGT435 Business Process Simulation; (3 credits) Grade Method: REG. *Prerequisite: BMGT231 or BMGT230; or students who have taken courses with similar or comparable course content may contact the department. Restriction: Must be in a major in BMGT-Robert H. Smith School of Business.* Develop and plan simulation studies, build simulation models with special purpose software, analyze and interpret the results. Extensive use of applications and real-world examples. The emphasis is on model formulation and the interpretation of results, rather than mathematical theory. Restricted to BMGT majors with 60 credits completed.

0101	Kazim Ruhi TuTh 11:00am - 12:15pm	Seats (Total: 35) VMH 1330

BMGT440 **Advanced Financial Management**

BMGT440 Advanced Financial Management; (3 credits) Grade Method: REG. *Prerequisite: BMGT340.* Analysis and discussion of cases and readings relating to financial decisions of the firm. The application of finance concepts to the solution of financial problems is emphasized. Restricted to BMGT majors with 68 credit hours completed.

0101	David Kass MW 12:30pm - 1:45pm	Seats (Total: 40) VMH 1418
0201	Elinda Kiss TuTh 2:00pm - 3:15pm	Seats (Total: 40) VMH 1335
0301	Elinda Kiss TuTh 3:30pm - 4:45pm	Seats (Total: 40) VMH 1335
0401	David Kass MW 11:00am - 12:15pm	Seats (Total: 40) VMH 1333
0501	David Kass MW 3:30pm - 4:45pm	Seats (Total: 40) VMH 1411

BMGT443 **Applied Equity Analysis and Portfolio Management**

BMGT443 Applied Equity Analysis and Portfolio Management; (3 credits) Grade Method: REG.
Prerequisite: BMGT343. Study and application of the concepts, methods, models, and empirical findings to the analysis, valuation and selection of securities, especially common stock. Restricted to BMGT majors with 84 credit hours completed.

0101	Joseph Perfetti MW 11:00am - 12:15pm	Seats (Total: 45) VMH 3505
0201	Joseph Perfetti MW 2:00pm - 3:15pm	Seats (Total: 45) VMH 3505
0301	Joseph Perfetti MW 3:30pm - 4:45pm	Seats (Total: 45) VMH 3505

BMGT444 **Futures and Options Contracts**

BMGT444 Futures and Options Contracts; (3 credits) Grade Method: REG.
Prerequisite: BMGT343. Credit only granted for: BMGT444 and MATH424. The institutional features and economic rationale underlying markets in futures and options. Hedging, speculation, structure of futures prices, interest rate futures, efficiency in futures markets and stock and commodity options. Restricted to Finance majors with 84 credit hours completed.

0101	Joseph Rinaldi MW 5:00pm - 6:15pm	Seats (Total: 50) VMH 1202

BMGT445 **Banking and Financial Institutions**

BMGT445 Banking and Financial Institutions; (3 credits) Grade Method: REG.
Prerequisite: BMGT340. Recommended: ECON330. Analysis and discussion of cases and readings in commercial bank management. The loan function is emphasized; also the management of liquidity reserves, investments for income and source of funds. Bank objectives, functions, policies, organization, structure, services and regulation are considered. Restricted to Finance majors with 84 credit hours completed.

0101	Elinda Kiss TuTh 9:30am - 10:45am	Seats (Total: 45) VMH 1333

0201	Elinda Kiss TuTh 11:00am - 12:15pm	Seats (Total: 45) VMH 1333

BMGT446 **International Finance**

BMGT446 International Finance; (3 credits) Grade Method: REG.
Prerequisite: BMGT340. Financial management from the perspective of the multinational corporation. Topics covered include the organization and functions of foreign exchange and international capital markets, international capital budgeting, financing foreign trade and designing a global financing strategy. Emphasis of the course is on how to manage exchange and political risks while maximizing benefits from global opportunity sets faced by the firm. Restricted to Finance and International Business majors with 72 credit hours completed.

0101	Danmo Lin MW 9:30am - 10:45am	Seats (Total: 35) VMH 1307
0201	Kyounghun Bae MW 3:30pm - 4:45pm	Seats (Total: 35) VMH 1415
0301	Karen Hallows TuTh 5:00pm - 6:15pm	Seats (Total: 35) VMH 1411
0401	Karen Hallows TuTh 12:30pm - 1:45pm	Seats (Total: 35) VMH 1307

BMGT448A **Special Topics in Finance; Fixed Income**

BMGT448A Special Topics in Finance: Fixed Income; (3 credits) Grade Method: REG.
Restricted to Finance majors with 72 credits completed. Prerequisite: BMGT340.

0101	Mark Taranto MW 11:00am - 12:15pm	Seats (Total: 47) Location: TBA

BMGT448B **Special Topics in Finance; Private Equity and Venture Capital**

BMGT448B *(PermReq)* **Special Topics in Finance: Private Equity and Venture Capital; (3 credits)** Grade Method: REG.
Restricted to Private Equity and Venture Capital Fellows. There will be occasional course activities between 9am and 12pm on Fridays throughout the semester. Students are expected to keep their course schedule open from 9am - 12pm on Fridays.

FP01	Mark Grovic Tu 12:30pm - 3:00pm Contact instructor or department for details.	Seats (Total: 12) Location: TBA

BMGT448I **Special Topics in Finance; Introduction to Technical Analysis of Financial Markets**

BMGT448I Special Topics in Finance: Introduction to Technical Analysis of Financial Markets; (3 credits) Grade Method: REG.
Restricted to Finance majors with 72 credit hours completed. Prerequisite: BMGT343. Click here for more course information.

0101	Kevin Moore M 7:00pm - 9:40pm	Seats (Total: 40) VMH 1333

BMGT449F **Investment Fund Management: Lemma Senbet Fund**

BMGT449F Investment Fund Management: Lemma Senbet Fund; (3 credits) Grade Method: REG.
Restricted to Lemma Senbet Fund Fellows (FPSF).

FP01	Sarah Kroncke TuTh 8:30am - 10:20am	Seats (Total: 12) VMH 3330H

BMGT450 **Integrated Marketing Communications**

BMGT450 Integrated Marketing Communications; (3 credits) Grade Method: REG. *Prerequisite: BMGT350. Restriction: Must be in a major in BMGT-Robert H. Smith School of Business. Credit only granted for: BMGT354 or BMGT450. Formerly: BMGT354.* In-depth study of coordinated marketing activities including advertising, sales promotion, Internet marketing, direct marketing and personal selling. Emphasizes strategic planning to effectively use these promotional tools to communicate with customers and meet marketing goals. Blends theory and current practice to provide managerial orientation. Restricted to BMGT majors with 60 credit hours completed.

0101	Robert Fiddler TuTh 12:30pm - 1:45pm	Seats (Total: 40) VMH 1206
0201	Robert Fiddler TuTh 2:00pm - 3:15pm	Seats (Total: 40) VMH 1206

BMGT451 **Consumer Analysis**

BMGT451 Consumer Analysis; (3 credits) Grade Method: REG. *Prerequisite: BMGT350. Recommended: PSYC100; and PSYC221.* Identifying buyer behavior concepts relevant to a specific marketing problem so that appropriate marketing decisions can be made. Conceptual frameworks are drawn from psychology, sociology, economics, and other social sciences to aid in understanding the behavior of ultimate and industrial buyers. Restricted to Marketing majors with 68 credit hours completed.

0101	Stephanie Finnel MW 9:30am - 10:45am	Seats (Total: 38) VMH 1418
0201	Namjae Kim MW 12:30pm - 1:45pm	Seats (Total: 38) VMH 1518
0301	Tom Kim MW 3:30pm - 4:45pm	Seats (Total: 38) VMH 1518

BMGT452 **Marketing Research Methods**

BMGT452 Marketing Research Methods; (3 credits) Grade Method: REG.
Prerequisite: BMGT350 and BMGT230. Focuses on aiding marketing decision-making through exploratory, descriptive and casual research. Develops student skills in designing market research studies, including selection of data collection method, development of data collection instrument, sample design, collection and statistical analysis of data and reporting the results.

0101	Tao Chen MW 12:30pm - 1:45pm *Restricted to Marketing majors with 72 credit hours completed.*	Seats (Total: 35) VMH 1415
0201	Diane Whitney MW 9:30am - 10:45am *Restricted to Marketing majors with 72 credit hours completed.*	Seats (Total: 38) VMH 1335
0301	Tao Chen MW 11:00am - 12:15pm *Restricted to Marketing majors with 72 credit hours completed.*	Seats (Total: 35) VMH 1415
SG91	Yu-Jen Chen TuTh 12:30pm - 1:45pm *Restricted to BMGT-Shady Grove Seniors majoring in Marketing. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.*	Seats (Total: 40) BLD3 3240

BMGT454 **Global Marketing**

BMGT454 Global Marketing; (3 credits) Grade Method: REG.
Prerequisite: BMGT350. Marketing functions from the global executive's viewpoint, including coverage of global marketing policies relating to product adaptation, data collection and analysis, channels of distribution, pricing, communications and cost analysis. Consideration is given to the cultural, legal, financial and organizational aspects of global marketing.

0101	Amna Khawaja MW 3:30pm - 4:45pm *Restricted to BMGT majors with 72 credit hours completed.*	Seats (Total: 40) VMH 1336

SG91	Simon Bensimon TuTh 11:00am - 12:15pm	Seats (Total: 55) BLD3 3230
	Restricted to BMGT-Shady Grove Seniors majoring in Marketing and International Business. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.	

BMGT455 **Sales Management**

BMGT455 Sales Management; (3 credits) Grade Method: REG.
Prerequisite: BMGT350. The roles of the sales executive as a planner, manager of resources and marketing functions and recruiter, trainer, motivator and leader of field sales personnel. Techniques and sequence of problem analysis for selling and sales management decisions and to the practical framework in which these decisions take place. Teaching vehicles feature strong classroom interactions, cases, journal articles, research findings, guest sales managers, debates, and modern company practices. Restricted to BMGT majors with 60 credit hours completed.

0101	Richard Newman TuTh 9:30am - 10:45am	Seats (Total: 40) VMH 1418

BMGT457 **Marketing Policies and Strategies**

BMGT457 Marketing Policies and Strategies; (3 credits) Grade Method: REG.
CORE Capstone (CS) Course.
Prerequisite: BMGT350. This capstone course ties together various marketing concepts using the fundamentals of strategic market planning as the framework. Application of these principles is accomplished by analyzing and discussing cases and by playing a marketing strategy computer simulation game. Analysis of current business articles to understand the link between theory and real-world problem solving. Restricted to Marketing majors with 100 credit hours completed.

0101	Richard Newman TuTh 11:00am - 12:15pm	Seats (Total: 35) VMH 1415
0201	Mary Harms MW 12:30pm - 1:45pm	Seats (Total: 35) VMH 1314

BMGT458B **Special Topics in Marketing; Design Applications in Marketing and Branding**

BMGT458B Special Topics in Marketing: Design Applications in Marketing and Branding; (3 credits) Grade Method: REG.
Restricted to Design and Innovation in Marketing Fellows (FPDM).

FP01	Howard Bomstein M 6:30pm - 9:00pm	Seats (Total: 35) VMH 1412

BMGT458C **Special Topics in Marketing; Service Marketing**
Contact department for information to register for this course.

BMGT458M **Special Topics in Marketing; Marketing for Non-profit Organizations**
Contact department for information to register for this course.

BMGT461 **Entrepreneurship**

BMGT461 Entrepreneurship; (3 credits) Grade Method: REG. GenEd: Distributive Studies - Scholarship in Practice.
Restriction: Must not have completed BMGT361. Credit only granted for: BMGT261, BMGT361, or BMGT461. Process of creating new ventures, including evaluating the entrepreneurial team, the opportunity and the financing requirements. Skills, concepts, mental attitudes and knowledge relevant for starting a new business.

0101	Oliver Schlake Tu 7:00pm - 9:40pm	Seats (Total: 22) VMH 1303
	Restricted to BMGT majors with 72 credit hours completed. Non-majors should register for BMGT 461N.	
SG91	Oliver Schlake Th 2:00pm - 4:40pm	Seats (Total: 45) BLD3 3220
	Restricted to BMGT-Shady Grove Seniors majoring in Accounting, International Business, and Marketing. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.	
SG92	Andrew Sherman M 5:00pm - 7:40pm	Seats (Total: 45) BLD3 3219
	Restricted to Shady Grove students not majoring in BMGT. R.H. Smith Sch ol of Business students may not enroll in this section of the course.	

BMGT461N **Entrepreneurship**

BMGT461N Entrepreneurship; (3 credits) Grade Method: REG. GenEd: Distributive Studies - Scholarship in Practice.
Restriction: Must not have completed BMGT361. Credit only granted for: BMGT261, BMGT361, or BMGT461. Process of creating new ventures, including evaluating the entrepreneurial team, the opportunity and the financing requirements. Skills, concepts, mental attitudes and knowledge relevant for starting a new business. Open to all non-BMGT majors with 72 credit hours completed. BMGT majors should register for BMGT 461.

0101	Oliver Schlake Tu 7:00pm - 9:40pm	Seats (Total: 23) VMH 1303

BMGT463 **Cross-cultural Challenges in Business**

BMGT463 Cross-cultural Challenges in Business; (3 credits) Grade Method: REG.
Restriction: Must be in a major in BMGT-Robert H. Smith School of Business.
Examines in depth the nature of international cultural value-differences and their behavioral-related effects in the workplace. Topics include decision-making and leadership styles and reactions to various work assignments and reward structures.

0101	Debra Shapiro M 7:00pm - 9:40pm *Restricted to International Business majors and Management majors with 2 credit hours completed.*	Seats (Total: 40) VMH 1418
0201	Debra Shapiro MW 2:00pm - 3:15pm *Restricted to International Business majors and Managament majors with 2 credit hours completed.*	Seats (Total: 40) VMH 1303
SG91	Debra Shapiro TuTh 2:00pm - 3:15pm *Restricted to BMGT-Shady Grove Seniors majoring in Entrepreneurship and International Business. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.*	Seats (Total: 55) BLD3 3230

BMGT465 **Business Plan For The New Venture**

BMGT465 Business Plan For The New Venture; (3 credits) Grade Method: REG. *Prerequisite: BMGT461 or BMGT361.* Each student focuses on the production of a business plan that will be accepted for an annual business plan competition. Business plans of sufficient quality may be submitted to attract financing. Topics include a deep review of business construction and its derivative short forms. Registration is restricted to BMGT-Shady Grove Entrepreneurship majors with 86 credits. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.

SG91	Oliver Schlake	Seats (Total: 40)
	TuTh 11:00am - 12:15pm	BLD3 3220
	Restricted to BMGT-Shady Grove Seniors majoring in Entrepreneurship. Other students may request enrollment on a space available basis. UMCP undergraduation BMGT students are not eligible to enroll at Shady Grove.	

BMGT466 **Global Business Strategy**

BMGT466 Global Business Strategy; (3 credits) Grade Method: REG. *Restriction: Must be in a major in BMGT-Robert H. Smith School of Business.* Focuses on the strategic challenges that directly result from and are associated with the globalization of industries and companies. Topics include drivers of industry globalization, difference between global and multi-domestic industry, global expansion strategies, sources of competitive advantage in a global context, and coordination of a company across a global network. Restricted to International Business majors and Management majors with 7 2 credit hours completed.

0101	Paulo Prochno	Seats (Total: 50)
	TuTh 9:30am - 10:45am	VMH 1202

BMGT468B **Special Topics in Management and Organization; Doing Business in Emerging Markets**
Contact department for information to register for this course.

BMGT468G **Special Topics in Management and Organization; Global Management Consulting**
Contact department for information to register for this course.

BMGT468K **Special Topics in Management and Organization; European Business Cultures: Management and Marketing in Cross-National Perspective**
Contact department for information to register for this course.

BMGT468N **Special Topics in Management and Organization; International Negotiations**

Contact department for information to register for this course.

BMGT468X **Special Topics in Management and Organization; X-Treme Management - Managing in Times of Crisis**

BMGT468X Special Topics in Management and Organization: X-Treme Management - Managing in Times of Crisis; (3 credits) Grade Method: REG/P-F/AUD.
Restricted to BMGT majors with 60 credit hours completed. Click here for more course information.

0101	Patricia Cleveland W 7:00pm - 9:40pm	Seats (Total: 35) VMH 1415

BMGT470 **Carrier Management**

BMGT470 Carrier Management; (3 credits) Grade Method: REG.
Prerequisite: BMGT370. The study of the wide range of issues facing managers in transportation. This includes decisions on market entry, pricing, competitive responses, service levels, marketing strategies, capital structure, and growth objectives. Specific management decisions and overall strategies pursued by management are examined. Restricted to Supply Chain Management majors.

0101	Leland Gardner TuTh 5:00pm - 6:15pm	Seats (Total: 45) VMH 1307

BMGT471F **Seminar in Supply Chain Management: An Executive Perspective**

BMGT471F Seminar in Supply Chain Management: An Executive Perspective; (3 credits) Grade Method: REG.
Prerequisite: BMGT372. Formerly: BMGT488L and BMGT498L. Designed to provide students intensive interaction with senior supply chain executives from a cross-section of industries. Executives will share their insights about leading competitive supply chains in the global marketplace and assist students in understanding how to develop supply chain career strategies. Students will research the competitive supply chain dynamics of each executive's industry and review/analyze their findings with the executive. Restricted to Supply Chain Management Fellows (FPLT).

FP01	Lisa Harrington Tu 7:00pm - 9:40pm	Seats (Total: 35) VMH 1528

BMGT472 **Purchasing and Inbound Logistics**

BMGT472 Purchasing and Inbound Logistics; (3 credits) Grade Method: REG. *Prerequisite: BMGT372.* Analysis of the resupply activities of logistics management, including purchasing policies, transportation planning, and inventory control. Attention is directed toward total cost minimization and the establishment of a sustainable competitive advantage based on procurement. Restricted to Supply Chain Management majors only.

0101	Philip Evers MW 9:30am - 10:45am	Seats (Total: 40) VMH 1206

BMGT476 **Technology Applications in Supply Chain Management**

BMGT476 Technology Applications in Supply Chain Management; (3 credits) Grade Method: REG.
Prerequisite: BMGT372. An understanding of the role of technology in managing the supply chain. Provides students with hands-on experience in advanced software systems that build on top of enterprise resource planning systems. Major emphasis is placed on demonstrating that these systems result in supply chain cost reductions and service improvements. Restricted to SCM and Information Systems majors.

0101	Omar Elwakil TuTh 11:00am - 12:15pm	Seats (Total: 28) VMH 3522
0201	Yan Dong TuTh 12:30pm - 1:45pm	Seats (Total: 28) VMH 3522
0301	Kevin Sweeney TuTh 9:30am - 10:45am	Seats (Total: 28) VMH 3522

BMGT477 **International Supply Chain Management**

BMGT477 International Supply Chain Management; (3 credits) Grade Method: REG.

The study of the importance of the supply chain management within a global context. Topics covered include: the structure, service, pricing and competitive relationships among international carriers and transport intermediaries as well as documentation, location decisions, international sourcing/distribution and management of inventory throughout the international supply chain. Restricted to SCM majors and International Business majors.

0101	Gary Cohen MW 12:30pm - 1:45pm	Seats (Total: 45) VMH 1336
0201	Gary Cohen MW 2:00pm - 3:15pm	Seats (Total: 45) VMH 1336
0301	Gary Cohen MW 9:30am - 10:45am	Seats (Total: 45) VMH 1336

BMGT484 **Electronic Marketing**

BMGT484 Electronic Marketing; (3 credits) Grade Method: REG.

Prerequisite: BMGT350. Restriction: Must be in a major in BMGT-Robert H. Smith School of Business. Examines the process of developing, implementing and analyzing strategies for successfully marketing a variety of existing and potential products and services on the Internet. Special attention devoted to the tools and techniques unique to the electronic media.

0101	Mary Harms TuTh 2:00pm - 3:15pm *Restricted to BMGT majors with 60 credit hours completed.*	Seats (Total: 40) VMH 1311
0201	Mary Harms TuTh 3:30pm - 4:45pm *Restricted to BMGT majors with 60 credit hours completed.*	Seats (Total: 40) VMH 1311
SG91	William Rand TuTh 9:30am - 10:45am *Restricted to BMGT-Shady Grove Seniors majoring in Marketing Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.*	Seats (Total: 30) BLD3 2212

BMGT485 **Project Management**

BMGT485 Project Management; (3 credits) Grade Method: REG.
Prerequisite: BMGT231 or BMGT230; or students who have taken courses with similar or comparable course content may contact the department. Restriction: Must be in a major in BMGT-Robert H. Smith School of Business. Modern project management techniques that are used by modern practicing professionals will be covered. Particular attention is given to the management of technology based systems and projects in a business enterprise. The topics covered include: defining project scope, alignment of projects with enterprise strategy, managing project cost, time and risks using tools such as CPM/PERT, and measuring project performance. Restricted to BMGT and QUEST students with 72 credits completed.

0101	Hassan Ibrahim MW 3:30pm - 4:45pm	Seats (Total: 45) VMH 1202

BMGT485F **Project Management**

BMGT485F Project Management; (3 credits) Grade Method: REG.
Prerequisite: BMGT231 or BMGT230; or students who have taken courses with similar or comparable course content may contact the department. Restriction: Must be in a major in BMGT-Robert H. Smith School of Business. Modern project management techniques that are used by modern practicing professionals will be covered. Particular attention is given to the management of technology based systems and projects in a business enterprise. The topics covered include: defining project scope, alignment of projects with enterprise strategy, managing project cost, time and risks using tools such as CPM/PERT, and measuring project performance.

FP01	Barnet Corwin TuTh 3:30pm - 4:45pm *Restricted to Business Process Fellows (FPBP) and Technology and Business Transformation Fellows (FPTT).*	Seats (Total: 35) VMH 1314
FP02	Barnet Corwin Tu 7:00pm - 9:40pm *Restricted to Sports Management Fellows (FPSM) and Music Management Fellows (FPMM).*	Seats (Total: 50) VMH 1412

BMGT487 **Six Sigma Innovation**

BMGT487 Six Sigma Innovation; (3 credits) Grade Method: REG.
Prerequisite: STAT400, BMGT231, BMGT230, or ENME392. Enhances the overall understanding of Six Sigma Strategy, Tools and Methods to positively influence the performance of a business process, a product or service. Highlights the application of Define-Measure-Analyze-Improve-Control (DMAIC),Design For Six Sigma (DFSS), and the pursuit of Critical to Quality criteria (CTQ's) in a collaborative perspective, one that recognizes a balance between efficiency, and effectiveness and between statistical analysis and statistical thinking. Restricted to students with 72 credit hours completed.

0101	Francis Alt TuTh 11:00am - 12:15pm	Seats (Total: 40) VMH 1335

BMGT488A **Special Topics in Logistics, Business, and Public Policy; Introduction to Sport Management**

BMGT488A Special Topics in Logistics, Business, and Public Policy: Introduction to Sport Management; (3 credits) Grade Method: REG.
Restricted to Sports Management Fellows (FPSM).

FP01	Gideon Mark W 7:00pm - 9:40pm	Seats (Total: 32) VMH 1303

BMGT488R **Special Topics in Logistics, Business, and Public Policy; International Business Law**
Contact department for information to register for this course.

BMGT488V **Special Topics in Logistics, Business, and Public Policy; Transformative Action: Effective Models for Social Change**

BMGT488V *(PermReq)* **Special Topics in Logistics, Business, and Public Policy: Transformative Action: Effective Models for Social Change; (3 credits)** Grade Method: REG.
Restricted to Social Innovation Fellows.

FP01	Melissa Carrier TuTh 11:00am - 12:15pm	Seats (Total: 35) VMH 1307

BMGT488Y **Special Topics in Logistics, Business, and Public Policy; Corporate and Social Responsibility and Sustainable Business Practices**
Contact department for information to register for this course.

BMGT490H **Quest Consulting and Innovation Practicum**

BMGT490H Quest Consulting and Innovation Practicum; (4 credits) Grade Method: REG. GenEd: Distributive Studies - Scholarship in Practice. *Prerequisite: ENES390 or BMGT390. Also offered as: ENES490. Credit only granted for: BMGT490 or ENES490.* Final course in the QUEST Honors Fellows Program three-course curriculum. Based on a team-based consulting project with one of QUEST's professional partners. A project advisor and professional champion supervise each student team. Requires extensive out-of-class work. Restricted to Quest Program students.

0101	David Ashley, Joseph Bailey, Nicole Coomber W 5:00pm - 7:40pm Contact instructor or department for details.	Seats (Total: 80) VMH 1333

BMGT493H **Honors Study**

BMGT493H *(PermReq)* **Honors Study; (3 credits)** Grade Method: REG. *Restriction: Permission of BMGT-Robert H. Smith School of Business.* First semester of the senior year. The course is designed for honors students who have elected to conduct intensive study (independent or group). The student will work under the direct guidance of a faculty advisor and the Assistant Dean of Undergraduate Studies. They shall determine that the area of study is of a scope and intensity deserving of a candidate's attention. Formal written and/or oral reports on the study may be required by the faculty advisor. Restricted to BMGT Honors students.

0101	Charles Olson Th 3:30pm - 6:10pm	Seats (Total: 35) VMH 1511

BMGT495 **Business Policies**

BMGT495 Business Policies; (3 credits) Grade Method: REG. CORE Capstone (CS) Course. GenEd: Distributive Studies - Scholarship in Practice. *Prerequisite: BMGT364, BMGT350, and BMGT340. Restriction: Must be in a major in BMGT-Robert H. Smith School of Business.* A case study course where students apply what they have learned of general management principles and their specialized functional applications to the overall management function in the enterprise. Restricted to BMGT seniors with 100 credit hours completed.

0101	W Knight TuTh 11:00am - 12:15pm	Seats (Total: 35) VMH 1314
0201	Protiti Dastidar MW 9:30am - 10:45am	Seats (Total: 35) VMH 1314
0301	W Knight TuTh 12:30pm - 1:45pm	Seats (Total: 35) VMH 1314
0401	W Knight TuTh 2:00pm - 3:15pm	Seats (Total: 35) VMH 1314
0501	Paul Silverman MW 2:00pm - 3:15pm	Seats (Total: 35) VMH 1314
0601	Paul Silverman MW 3:30pm - 4:45pm	Seats (Total: 35) VMH 1314

BMGT496 **Business Ethics and Society**

BMGT496 Business Ethics and Society; (3 credits) Grade Method: REG. *Prerequisite: 1 course in BMGT; or permission of BMGT-Robert H. Smith School of Business.* A study of the standards of business conduct, morals and values as well as the role of business in society with consideration of the sometimes conflicting interests of and claims on the firm and its objectives. Emphasizes a strategic approach by business to the management of its external environment.

0101	Brian Nelson TuTh 2:00pm - 3:15pm *Restricted to BMGT majors with 53 credit hours completed.*	Seats (Total: 40) VMH 1333
SG91	Brian Nelson TuTh 9:30am - 10:45am *Restricted to BMGT-Shady Grove Seniors majoring in Entrepreneurship. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.*	Seats (Total: 40) BLD3 4225

BMGT498B **Special Topics in Business and Management; Design in Marketing**

BMGT498B Special Topics in Business and Management: Design in Marketing; (3 credits) Grade Method: REG.
Restricted to BMGT majors with 60 credits. Not open to students in the Design and Innovation in Marketing Fellows program. Design in marketing explores how businesses and organizations use design as a strategic competitive advantage. Students will increase their visual and design literacy whilelearning basic design and business terminology that will allow themto better communicate with creatives in their work environment. Studentsare exposed to career paths in integrated marketingcommunications, branding, product and package design, web design, and retail design. Students also learn ways to nurture creativity and critical thinking skills.

0101	Mary Harms	Seats (Total: 34)
	MW 11:00am - 12:15pm	VMH 1314
	Not open to students in Design and Innovation in Marketing Fellows Prog am.	

BMGT498P **Special Topics in Business and Management; Sociopolitical Perspective**
Contact department for information to register for this course.

BMGT808E **Doctoral Seminar; Stochastic Optimization**

BMGT808E Doctoral Seminar: Stochastic Optimization; (3 credits) Grade Method: REG/AUD.

0101	Ilya Ryzhov	Seats (Total: 20)
	Tu 3:30pm - 6:10pm	VMH 3330H

BMGT808R **Doctoral Seminar; Research Methods**

BMGT808R Doctoral Seminar: Research Methods; (3 credits) Grade Method: REG/AUD.

0101	Rebecca Hamilton, Henry Lucas, Brent Goldfarb	Seats (Total: 12)
	M 1:00pm - 3:40pm	VMH 3330H

BMGT808T **Doctoral Seminar; Seminar in Consumer Behavior**

BMGT808T Doctoral Seminar: Seminar in Consumer Behavior; (3 credits) Grade Method: REG/AUD.

0101	Amna Khawaja Th 2:30pm - 5:30pm	Seats (Total: 12) VMH 4335

BMGT808V **Doctoral Seminar; Theory and Models for Financial Accounting**

BMGT808V Doctoral Seminar: Theory and Models for Financial Accounting; (3 credits) Grade Method: REG/AUD.

0101	Oliver Kim Tu 3:30pm - 6:10pm	Seats (Total: 12) VMH 3332

BMGT828 **Independent Study in Business and Management**

BMGT828 Independent Study in Business and Management; (1-9 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BMGT828A **Independent Study in Business and Management; Financial Research Methods**

BMGT828A Independent Study in Business and Management: Financial Research Methods; (1 credit) Grade Method: REG.
Prerequisite: Permission of instructor.

0101	Laurent Fresard F 8:00am - 10:00am	Seats (Total: 12) VMH 4440

BMGT828C **Independent Study in Business and Management; Workshop in Supply Chain Management**

BMGT828C Independent Study in Business and Management: Workshop in Supply Chain Management; (1 credit) Grade Method: REG/AUD.

0101	Robert Windle W 4:15pm - 5:45pm	Seats (Total: 10) VMH 3330H

BMGT828D **Independent Study in Business and Management; Cross Disciplinary Workshop in Strategy and Entrepreneurship**

BMGT828D Independent Study in Business and Management: Cross Disciplinary Workshop in Strategy and Entrepreneurship; (1 credit) Grade Method: REG/AUD.

0101	David Waguespack, Yue Zhou	Seats (Total: 12)
	Th 10:00am - 11:30am	VMH 2509

BMGT828E **Independent Study in Business and Management; Career and Professionalization Workshop in Management and Organization**

BMGT828E Independent Study in Business and Management: Career and Professionalization Workshop in Management and Organization; (1 credit) Grade Method: REG/AUD.

Course is required for all first Phd students enrolled in OB, HR and Strategy doctoral programs. section is team taught by Kay Bartol and Waverly Ding. Course will meet periodically at the time indicated.

0101	Waverly Ding, Kathryn Bartol	Seats (Total: 30)
	F 10:00am - 12:40pm	VMH 1330

BMGT828F **Independent Study in Business and Management; Workshop in Finance Research**

BMGT828F Independent Study in Business and Management: Workshop in Finance Research; (1 credit) Grade Method: REG/AUD.

0101	Georgios Skoulakis	Seats (Total: 12)
	F 9:00am - 12:00pm	VMH 1333

BMGT828G **Independent Study in Business and Management; Marketing Research Seminar**

BMGT828G Independent Study in Business and Management: Marketing Research Seminar; (1 credit) Grade Method: REG/AUD.

0101	Anastasiya Pocheptsova	Seats (Total: 16)
	F 10:00am - 12:30pm	VMH 1520

BMGT828I **Independent Study in Business and Management; Seminar in Logistics Empirical Methodologies**

BMGT828I Independent Study in Business and Management: Seminar in Logistics Empirical Methodologies; (2 credits) Grade Method: REG/AUD.

0101	Martin Dresner	Seats (Total: 12)
	Th 2:00pm - 4:45pm	VMH 3332

BMGT828J **Independent Study in Business and Management; Research Seminar in Decision, Operations and Information Technologies**

BMGT828J Independent Study in Business and Management: Research Seminar in Decision, Operations and Information Technologies; (1 credit) Grade Method: REG/AUD.

0101	Il-Horn Hann, Wedad Elmaghraby	Seats (Total: 30)
	F 2:00pm - 3:30pm	VMH 1335

BMGT828K **Independent Study in Business and Management; Behavioral Foundations**

BMGT828K Independent Study in Business and Management: Behavioral Foundations; (2 credits) Grade Method: REG/AUD.

0101	Rhonda Reger	Seats (Total: 10)
	Meets August 29, 2012 - October 12, 2012	
	Tu 9:00am - 12:35pm	VMH 4535

BMGT828L **Independent Study in Business and Management; Strategy and Entrepreneurship Issues Related to Limited/Asymmetric Information**

BMGT828L Independent Study in Business and Management: Strategy and Entrepreneurship Issues Related to Limited/Asymmetric Information; (2 credits) Grade Method: REG/AUD.

0101	Brent Goldfarb	Seats (Total: 10)
	Meets October 22, 2012 - December 11, 2012	
	Tu 9:00am - 12:35pm	VMH 4535

BMGT828M **Independent Study in Business and Management; Marketing Models with MCMC**

BMGT828M Independent Study in Business and Management: Marketing Models with MCMC; (2 credits) Grade Method: REG/AUD.

0101	Michel Wedel M 6:30pm - 9:00pm	Seats (Total: 12) VMH 3332

BMGT828N **Independent Study in Business and Management; Workshop in Accounting Research**

BMGT828N Independent Study in Business and Management: Workshop in Accounting Research; (1 credit) Grade Method: REG/AUD.

0101	Lawrence Gordon F 2:00pm - 3:30pm	Seats (Total: 10) VMH 2509

BMGT828O **Independent Study in Business and Management; Decision Making**

BMGT828O Independent Study in Business and Management: Decision Making; (2 credits) Grade Method: REG/AUD.

0101	Cynthia Stevens **Meets October 22, 2012 - December 11, 2012** W 11:30am - 3:15pm	Seats (Total: 10) VMH 4535

BMGT828P **Independent Study in Business and Management; Strategy and Entrepreneurship PhD Presentations**

BMGT828P Independent Study in Business and Management: Strategy and Entrepreneurship PhD Presentations; (1 credit) Grade Method: REG/AUD.

0101	Rajshree Tronetti Th 11:30am - 1:00pm	Seats (Total: 10) VMH 3332

BMGT828Q **Independent Study in Business and Management; Organizational Behavior and Human Resource Management Presentations**

BMGT828Q Independent Study in Business and Management: Organizational Behavior and Human Resource Management Presentations; (1 credit) Grade Method: REG/AUD.

0101	Gilad Chen Th 12:00pm - 1:30pm	Seats (Total: 10) VMH 4535

BMGT828V **Independent Study in Business and Management; Research in Strategic HR**

BMGT828V Independent Study in Business and Management: Research in Strategic HR; (2 credits) Grade Method: REG/AUD.

0101	Hui Liao	Seats (Total: 10)
	Meets August 29, 2012 - October 12, 2012	
	W 10:00am - 2:00pm	VMH 4535

BMGT828Y **Independent Study in Business and Management; Supply Chain Research Within Strategy**

BMGT828Y Independent Study in Business and Management: Supply Chain Research Within Strategy; (2 credits) Grade Method: REG/AUD.

0101	Curtis Grimm	Seats (Total: 10)
	F 1:20pm - 4:00pm	VMH 3332

BMGT830 **Operations Research: Linear Programming**

BMGT830 Operations Research: Linear Programming; (3 credits) Grade Method: REG.
Prerequisite: MATH240; or students who have taken courses with similar or comparable course content may contact the department; or permission of BMGT-Robert H. Smith School of Business. Concepts and applications of linear programming models, theoretical development of the simplex algorithm, and primal-dual problems and theory.

0101	Subramanian Raghavan	Seats (Total: 26)
	MW 2:00pm - 3:15pm	VMH 1415

BMGT835 **Simulation of Discrete-Event Systems**

BMGT835 Simulation of Discrete-Event Systems; (3 credits) Grade Method: REG/AUD.
Prerequisite: Knowledge of Fortran, Basic, C, or Pascal. Simulation modeling and analysis of stochastic discrete-event systems such as manufacturing systems, inventory control systems, and computer/ communications networks.

0101	Michael Fu Th 3:30pm - 6:10pm	Seats (Total: 22) VMH 3330H

BMGT840 **Seminar in Financial Theory**

BMGT840 Seminar in Financial Theory; (3 credits) Grade Method: REG. *Prerequisite: Permission of BMGT-Robert H. Smith School of Business.* Seminar in selected classic and current theoretical and empirical research in the foundations of finance.

0101	Albert Kyle, Yajun Wang M 2:00pm - 4:40pm	Seats (Total: 24) VMH 3332

BMGT863 **Work Morale and Motivation**

BMGT863 Work Morale and Motivation; (3 credits) Grade Method: REG/AUD. *Prerequisite: BMGT 660 or equivalent.* Seminar on major theories of work motivation and job satisfaction.

0101	Instructor: TBA Contact instructor or department for details.	Seats (Total: 12)

BMGT881 **Applied Regression Models**

BMGT881 Applied Regression Models; (3 credits) Grade Method: REG/AUD. An introduction to regression models used in business research. Linear models, nonparametric methods, spatio-temporal models, methods for functional data, choice models, and methods for hierarchical, clustered and networked data. Hands-on learning via discussion of scholarly business papers, implementation using advanced statistical software, and application to research questions.

0101	Francis Alt M 4:20pm - 7:00pm	Seats (Total: 12) VMH 3330H

BMGT898 **Pre-Candidacy Research**

BMGT898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BMGT899 **Doctoral Dissertation Research**

BMGT899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BSCI Biological Sciences Program Fall 2012

BSCI105 **Principles of Biology I**

BSCI courses are offered by the Biological Science Program and individual College of Computer, Mathematical and Natural Sciences departments, as indicated.
The sponsoring department for each course is provided in the course listing. Consult the sponsoring department if you have questions about an individual course (sponsoring departments BIOL - Department of Biology, 2227 Biol-Psyc Building; BSCI - Biological Sciences Program, 1322 Symons Hall; CBMG - Department of Cell Biology and Molecular Genetics, 1219 H.J. Patterson Building, ENTM - Entomology, 4112 PLS Building).
Registration of BSCI course sections which begin with "SEF*" is restricted to students admitted into the Science in the Evening Program, administered through the Office of Extended Studies. For complete information, visit OES website, email oes@umd.edu, or call 301-405-7762.
The following courses may involve the use of animals. Students who are concerned about the use of animals in teaching have the responsibility to consult the instructor prior to course enrollment to determine whether animals are to be used in the course, whether class exercises involving animals are optional or required and what alternatives, if any are available.
The College of Computer, Mathematical and Natural Sciences enforces . course prerequisites. Students who do not meet the course prerequisites will be administratively dropped from the course.
Lab start dates will be posted on the Biological Sciences Program web page.
BSCI105 Principles of Biology I; (4 credits) Grade Method: REG/P-F/AUD. CORE Life Science Lab (LL) Course. GenEd: Distributive Studies - Natural Science Lab. *Prerequisite: Must have math eligibility of MATH111 or higher. Restriction: For science majors.* Basic principles of biology with special emphasis on cellular and molecular biology. (Sponsoring Dept.: BSCI). Students must pay a $40.00 laboratory materials fee.

5012	William Higgins MWF 9:00am - 9:50am M 11:00am - 1:50pm	Seats (Total: 23) MMH 1400 HJP 1236	 Lab
5015	William Higgins MWF 9:00am - 9:50am M 2:00pm - 4:50pm	Seats (Total: 23) MMH 1400 HJP 1235	 Lab
5016	William Higgins MWF 9:00am - 9:50am M 2:00pm - 4:50pm	Seats (Total: 23) MMH 1400 HJP 1236	 Lab
5022	William Higgins MWF 9:00am - 9:50am Tu 8:00am - 10:50am	Seats (Total: 23) MMH 1400 HJP 1236	 Lab
5050	William Higgins MWF 9:00am - 9:50am W 2:00pm - 4:50pm	Seats (Total: 23) MMH 1400 HJP 1226	 Lab
5051	William Higgins MWF 9:00am - 9:50am W 2:00pm - 4:50pm	Seats (Total: 23) MMH 1400 HJP 1235	 Lab
5066	William Higgins MWF 9:00am - 9:50am Th 11:00am - 1:50pm	Seats (Total: 23) MMH 1400 HJP 1236	 Lab
5120	Marcia Shofner MWF 10:00am - 10:50am Tu 8:00am - 10:50am	Seats (Total: 23) BRB 1101 HJP 1226	 Lab
5121	Marcia Shofner MWF 10:00am - 10:50am Tu 8:00am - 10:50am	Seats (Total: 23) BRB 1101 HJP 1235	 Lab
5124	Marcia Shofner MWF 10:00am - 10:50am Tu 11:00am - 1:50pm	Seats (Total: 23) BRB 1101 HJP 1226	 Lab

5125	Marcia Shofner MWF 10:00am - 10:50am Tu 11:00am - 1:50pm	Seats (Total: 23) BRB 1101 HJP 1235	 Lab
5130	Marcia Shofner MWF 10:00am - 10:50am Tu 2:00pm - 4:50pm	Seats (Total: 23) BRB 1101 HJP 1226	 Lab
5136	Marcia Shofner MWF 10:00am - 10:50am Tu 6:00pm - 8:50pm	Seats (Total: 23) BRB 1101 HJP 1235	 Lab
5144	Marcia Shofner MWF 10:00am - 10:50am W 11:00am - 1:50pm	Seats (Total: 23) BRB 1101 HJP 1226	 Lab
5156	Marcia Shofner MWF 10:00am - 10:50am W 6:00pm - 8:50pm	Seats (Total: 23) BRB 1101 HJP 1236	 Lab
5165	Marcia Shofner MWF 10:00am - 10:50am Th 11:00am - 1:50pm	Seats (Total: 23) BRB 1101 HJP 1235	 Lab
5186	Marcia Shofner MWF 10:00am - 10:50am M 6:00pm - 8:50pm	Seats (Total: 23) BRB 1101 HJP 1236	 Lab
5310	Judd Nelson MWF 10:00am - 10:50am M 11:00am - 1:50pm	Seats (Total: 23) HJP 0226 HJP 1226	 Lab
5311	Judd Nelson MWF 10:00am - 10:50am M 11:00am - 1:50pm	Seats (Total: 23) HJP 0226 HJP 1235	 Lab
5314	Judd Nelson MWF 10:00am - 10:50am M 2:00pm - 4:50pm	Seats (Total: 23) HJP 0226 HJP 1226	 Lab

5332	Judd Nelson MWF 10:00am - 10:50am Tu 2:00pm - 4:50pm	Seats (Total: 23) HJP 0226 HJP 1236	 Lab
5352	Judd Nelson MWF 10:00am - 10:50am W 2:00pm - 4:50pm	Seats (Total: 23) HJP 0226 HJP 1236	 Lab
5355	Judd Nelson MWF 10:00am - 10:50am W 6:00pm - 8:50pm	Seats (Total: 23) HJP 0226 HJP 1235	 Lab
5360	Judd Nelson MWF 10:00am - 10:50am Th 8:00am - 10:50am	Seats (Total: 23) HJP 0226 HJP 1226	 Lab
5364	Judd Nelson MWF 10:00am - 10:50am Th 11:00am - 1:50pm	Seats (Total: 23) HJP 0226 HJP 1226	 Lab
5370	Judd Nelson MWF 10:00am - 10:50am Th 2:00pm - 4:50pm	Seats (Total: 23) HJP 0226 HJP 1226	 Lab
FC01	Michael Keller MW 4:30pm - 5:45pm F 8:00am - 10:50am *Restricted to students in Freshmen Connection.*	Seats (Total: 23) MMH 1400 HJP 1226	 Lab
FC02	Michael Keller MW 4:30pm - 5:45pm F 8:00am - 10:50am *Restricted to students in Freshmen Connection.*	Seats (Total: 23) MMH 1400 HJP 1235	 Lab
FC03	Michael Keller MW 4:30pm - 5:45pm F 8:00am - 10:50am *Restricted to students in Freshmen Connection.*	Seats (Total: 23) MMH 1400 HJP 1236	 Lab

FC04	Michael Keller	Seats (Total: 23)	
	MW 4:30pm - 5:45pm W 6:00pm - 8:50pm	MMH 1400 HJP 1226	Lab
	Restricted to students in Freshmen Connection.		
FC05	Michael Keller	Seats (Total: 23)	
	MW 4:30pm - 5:45pm M 6:00pm - 8:50pm	MMH 1400 HJP 1226	Lab
	Restricted to students in Freshmen Connection.		
FC06	Michael Keller	Seats (Total: 23)	
	MW 4:30pm - 5:45pm M 6:00pm - 8:50pm	MMH 1400 HJP 1235	Lab
	Restricted to students in Freshmen Connection.		
SEF1	James Sniezek	Seats (Total: 24)	
	Tu 6:00pm - 9:00pm Th 6:00pm - 9:00pm	PLS 1130 HJP 1226	Lab
	This section is restricted to students who enroll through the Science i Evening program and may not be added on Testudo. Click here for complete program details including program eligibility information, tuition and fee information and registration instructions.		
SEF2	James Sniezek	Seats (Total: 23)	
	Tu 6:00pm - 9:00pm Th 6:00pm - 9:00pm	PLS 1130 HJP 1236	Lab
	This section is restricted to students who enroll through the Science i Evening program and may not be added on Testudo. Click here for complete program details including program eligibility information, tuition and fee information and registration instructions.		

BSCI105M Principles of Biology I

BSCI105M *(PermReq)* **Principles of Biology I; (4 credits)** Grade Method: REG/P-F/AUD. CORE Life Science Lab (LL) Course. GenEd: Distributive Studies - Natural Science Lab.
Prerequisite: Must have math eligibility of MATH111 or higher. Restriction: For science majors. Basic principles of biology with special emphasis on cellular and molecular biology. (Sponsoring Dept.: BSCI). BSCI105M is intended for students repeating BSCI105 and who have an 80% or higher grade in the BSCI105 lab in their previous attempt. In BSCI105M students retake the lecture portion of the course only. The lab grade from the previous attempt is used in calculation of the BSCI105M grade. The previous attempt must be within 12 months of registration for BSCI105M.

5090	William Higgins MWF 9:00am - 9:50am	Seats (Total: 5) MMH 1400	
5190	Marcia Shofner MWF 10:00am - 10:50am	Seats (Total: 5) BRB 1101	
5393	Judd Nelson MWF 10:00am - 10:50am	Seats (Total: 5) HJP 0226	

BSCI105U **Principles of Biology I**
Contact department for information to register for this course.

BSCI106 **Principles of Biology II**

BSCI106 Principles of Biology II; (4 credits) Grade Method: REG/P-F/AUD. CORE Life Science Lab (LL) Course. GenEd: Distributive Studies - Natural Science Lab.
Prerequisite: Must have math eligibility of MATH111 or higher. Restriction: For science majors. Basic principles of biology with special emphasis on organismal, ecological and evolutionary biology. (Sponsoring Dept.: BSCI). Students must pay a $40.00 laboratory materials fee.

6121	Irwin Forseth MWF 11:00am - 11:50am M 2:00pm - 4:50pm	Seats (Total: 23) BRB 1101 HJP 3211	 Lab
6144	Irwin Forseth MWF 11:00am - 11:50am Tu 5:00pm - 7:50pm	Seats (Total: 23) BRB 1101 HJP 3211	 Lab

6161	Irwin Forseth MWF 11:00am - 11:50am W 2:00pm - 4:50pm	Seats (Total: 23) BRB 1101 HJP 3211	Lab
6172	Irwin Forseth MWF 11:00am - 11:50am Th 8:00am - 10:50am	Seats (Total: 23) BRB 1101 HJP 3217	Lab
6181	Irwin Forseth MWF 11:00am - 11:50am Th 2:00pm - 4:50pm	Seats (Total: 23) BRB 1101 HJP 3211	Lab
6193	Irwin Forseth MWF 11:00am - 11:50am F 8:00am - 10:50am	Seats (Total: 23) BRB 1101 HJP 3223	Lab
6223	Alexandra Bely MWF 2:00pm - 2:50pm M 11:00am - 1:50pm	Seats (Total: 23) BRB 1101 HJP 3223	Lab
6224	Alexandra Bely MWF 2:00pm - 2:50pm M 5:00pm - 7:50pm	Seats (Total: 23) BRB 1101 HJP 3211	Lab
6231	Alexandra Bely MWF 2:00pm - 2:50pm Tu 8:00am - 10:50am	Seats (Total: 23) BRB 1101 HJP 3211	Lab
6234	Alexandra Bely MWF 2:00pm - 2:50pm Tu 11:00am - 1:50pm	Seats (Total: 23) BRB 1101 HJP 3211	Lab
6254	Alexandra Bely MWF 2:00pm - 2:50pm W 11:00am - 1:50pm	Seats (Total: 23) BRB 1101 HJP 3211	Lab
6265	Alexandra Bely MWF 2:00pm - 2:50pm W 5:00pm - 7:50pm	Seats (Total: 23) BRB 1101 HJP 3217	Lab

6284	Alexandra Bely MWF 2:00pm - 2:50pm Th 5:00pm - 7:50pm	Seats (Total: 23) BRB 1101 HJP 3211	Lab
6325	Sara Via MWF 9:00am - 9:50am M 11:00am - 1:50pm	Seats (Total: 23) HJP 0226 HJP 3217	Lab
6341	Sara Via MWF 9:00am - 9:50am Tu 2:00pm - 4:50pm	Seats (Total: 23) HJP 0226 HJP 3211	Lab
6355	Sara Via MWF 9:00am - 9:50am W 11:00am - 1:50pm	Seats (Total: 23) HJP 0226 HJP 3217	Lab
6374	Sara Via MWF 9:00am - 9:50am Th 11:00am - 1:50pm	Seats (Total: 23) HJP 0226 HJP 3211	Lab

BSCI106C **Principles of Biology II**

BSCI106C Principles of Biology II; (4 credits) Grade Method: REG/P-F/AUD. CORE Life Science Lab (LL) Course. GenEd: Distributive Studies - Natural Science Lab.
Prerequisite: Must have math eligibility of MATH111 or higher. Restriction: For science majors. Basic principles of biology with special emphasis on organismal, ecological and evolutionary biology. (Sponsoring Dept.: BSCI). Restricted to new freshman and new transfer students in Biological Science, Chemistry and Biochemistry. Students must pay a $40.00 laboratory materials fee.

6164	Irwin Forseth MWF 11:00am - 11:50am W 5:00pm - 7:50pm	Seats (Total: 23) BRB 1101 HJP 3211	Lab
6183	Irwin Forseth MWF 11:00am - 11:50am Th 2:00pm - 4:50pm	Seats (Total: 23) BRB 1101 HJP 3223	Lab

6251	Alexandra Bely MWF 2:00pm - 2:50pm W 8:00am - 10:50am	Seats (Total: 23) BRB 1101 HJP 3211	Lab
6276	Alexandra Bely MWF 2:00pm - 2:50pm Th 11:00am - 1:50pm	Seats (Total: 23) BRB 1101 HJP 3223	Lab
6345	Sara Via MWF 9:00am - 9:50am Tu 5:00pm - 7:50pm	Seats (Total: 23) HJP 0226 HJP 3217	Lab
6362	Sara Via MWF 9:00am - 9:50am W 2:00pm - 4:50pm	Seats (Total: 23) HJP 0226 HJP 3217	Lab
6363	Sara Via MWF 9:00am - 9:50am W 2:00pm - 4:50pm	Seats (Total: 23) HJP 0226 HJP 3223	Lab

BSCI106H **Principles of Biology II**

BSCI106H Principles of Biology II; (4 credits) Grade Method: REG/P-F/AUD. CORE Life Science Lab (LL) Course. GenEd: Distributive Studies - Natural Science Lab.
Prerequisite: Must have math eligibility of MATH111 or higher. Restriction: For science majors. Basic principles of biology with special emphasis on organismal, ecological and evolutionary biology. Students must pay a $40.00 laboratory materials fee.

6211	Alexandra Bely MWF 2:00pm - 2:50pm M 8:00am - 10:50am	Seats (Total: 23) BRB 1101 HJP 3211	Lab
6314	Sara Via MWF 9:00am - 9:50am M 11:00am - 1:50pm	Seats (Total: 18) HJP 0226 HJP 3211	Lab

BSCI106M **Principles of Biology II**

BSCI106M *(PermReq)* **Principles of Biology II; (4 credits)** Grade Method: REG/P-F/AUD. CORE Life Science Lab (LL) Course. GenEd: Distributive Studies - Natural Science Lab.

Prerequisite: Must have math eligibility of MATH111 or higher. Restriction: For science majors. Basic principles of biology with special emphasis on organismal, ecological and evolutionary biology. (Sponsoring Dept.: BSCI). BSCI 106 must be taken within twelve months of the semester in which BSCI 106M is taken. A student is eligible to take this course only if the lab scores received in BSCI 106 the last time it was taken totalled at least 80 percent of the maximum possible total. These scores will count for part of the grade in BSCI 106M.

6160	Irwin Forseth MWF 11:00am - 11:50am	Seats (Total: 5) BRB 1101	
6260	Alexandra Bely MWF 2:00pm - 2:50pm	Seats (Total: 5) BRB 1101	
6360	Sara Via MWF 9:00am - 9:50am	Seats (Total: 5) HJP 0226	

BSCI106S **Principles of Biology II**

BSCI106S Principles of Biology II; (4 credits) Grade Method: REG/P-F/AUD. CORE Life Science Lab (LL) Course. GenEd: Distributive Studies - Natural Science Lab.

Prerequisite: Must have math eligibility of MATH111 or higher. Restriction: For science majors. Basic principles of biology with special emphasis on organismal, ecological and evolutionary biology. (Sponsoring Dept.: BSCI). Restricted to College Park Scholars - Life Sciences. Students must pay a $40.00 laboratory materials fee.

6122	Irwin Forseth MWF 11:00am - 11:50am M 2:00pm - 4:50pm	Seats (Total: 23) BRB 1101 HJP 3217	 Lab
6153	Irwin Forseth MWF 11:00am - 11:50am W 8:00am - 10:50am	Seats (Total: 23) BRB 1101 Location: TBA	 Lab

6386	Sara Via MWF 9:00am - 9:50am Th 5:00pm - 7:50pm	Seats (Total: 23) HJP 0226 HJP 3223	 Lab

BSCI120 **Insects**

BSCI120 Insects; (3 credits) Grade Method: REG/P-F/AUD. CORE Life Science (LS) Course. GenEd: Distributive Studies - Natural Sciences.
A survey of the major groups of insects, their natural history, and their relationships with humans and their environment. Course not acceptable toward major requirements in Biological Sciences, Chemistry or Biochemistry. (Sponsoring Dept.: ENTM).

0101	Earlene Armstrong TuTh 9:30am - 10:20am M 9:00am - 9:50am	Seats (Total: 24) PLS 1130 PLS 1158	 Discussion
0102	Earlene Armstrong TuTh 9:30am - 10:20am M 10:00am - 10:50am	Seats (Total: 24) PLS 1130 PLS 1158	 Discussion
0103	Earlene Armstrong TuTh 9:30am - 10:20am M 11:00am - 11:50am	Seats (Total: 24) PLS 1130 PLS 1158	 Discussion

BSCI121 **Beekeeping**

BSCI121 Beekeeping; (2 credits) Grade Method: REG/P-F/AUD.
Formerly ENTM111. First semester. A study of the life history, behavior and seasonal activities of the honeybee, its place in pollination of flowers with emphasis on plants of economic importance and bee lore in literature. Course not acceptable toward major requirements in Biological Sciences, Chemistry or Biochemistry. (Sponsoring Dept.: ENTM).

0101	John Hellman TuTh 9:30am - 10:30am	Seats (Total: 30) HBK 0108	

BSCI126 **Pollinators in Crisis**

BSCI126 Pollinators in Crisis; (3 credits) Grade Method: REG/P-F/AUD. CORE Life Science (LS) Course. GenEd: Distributive Studies - Natural Sciences; Signature Courses - I-Series.
We will dissect the pollinator crisis, and in the process learn about insects, about the interaction of organisms in complex ecosystems, and about the human-nature interface. Students will work in groups that specialize in an aspect of pollinator biology and their challenges. Instruction will target methods for collecting information, interpretation of scientific information and the professional presentation of findings.
A Marquee Science and Technology Course designed for Non-Science Majors: http://www.marqueecourses.umd.edu/* Click here for more Marquee course information.

0101	David Hawthorne TuTh 12:30pm - 1:45pm Tu 9:30am - 10:20am	Seats (Total: 20) PLS 1140 PLS 1161	 Discussion
0102	David Hawthorne TuTh 12:30pm - 1:45pm Tu 11:00am - 11:50am	Seats (Total: 20) PLS 1140 PLS 1161	 Discussion
0103	David Hawthorne TuTh 12:30pm - 1:45pm Th 9:30am - 10:20am	Seats (Total: 20) PLS 1140 PLS 1161	 Discussion
0104	David Hawthorne TuTh 12:30pm - 1:45pm Th 11:00am - 11:50am	Seats (Total: 20) PLS 1140 PLS 1161	 Discussion

BSCI135 **Amazing Green: Plants that Transformed the World**

BSCI135 Amazing Green: Plants that Transformed the World; (4 credits) Grade Method: REG/P-F/AUD. CORE Life Science Lab (LL) Course. GenEd: Distributive Studies - Natural Science Lab; Signature Courses - I-Series.
An interactive way to learn about plants and science, focusing on how plants have changed human history, the biology of their growth, and the science behind their use. Students must pay a $40.00 laboratory materials fee.

0101	Edgar Moctezuma TuTh 9:30am - 10:45am M 12:30pm - 2:30pm	Seats (Total: 24) HJP 0226 HJP 3237	 Lab

0102	Edgar Moctezuma TuTh 9:30am - 10:45am Tu 12:00pm - 2:00pm	Seats (Total: 24) HJP 0226 HJP 3237	 Lab
0103	Edgar Moctezuma TuTh 9:30am - 10:45am W 12:30pm - 2:30pm	Seats (Total: 24) HJP 0226 HJP 3237	 Lab
0104	Edgar Moctezuma TuTh 9:30am - 10:45am Th 12:30pm - 2:30pm	Seats (Total: 24) HJP 0226 HJP 3237	 Lab

BSCI189I **Race, Genomics, and Human Evolutionary History**

BSCI189I Race, Genomics, and Human Evolutionary History; (4 credits) Grade Method: REG/P-F/AUD. CORE Life Science Lab (LL) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - Natural Science Lab or Distributive Studies - Natural Sciences or Distributive Studies - Scholarship in Practice; Diversity - Understanding Plural Societies; Signature Courses - I-Series.
Students must pay a $40.00 laboratory materials fee.

1003	Joelle Presson MWF 12:00pm - 12:50pm M 1:00pm - 3:50pm	Seats (Total: 22) HJP 0226 HJP 3239	 Lab
1005	Joelle Presson MWF 12:00pm - 12:50pm M 4:00pm - 6:50pm	Seats (Total: 22) HJP 0226 HJP 3239	 Lab
1007	Joelle Presson MWF 12:00pm - 12:50pm Tu 11:00am - 1:50pm	Seats (Total: 22) HJP 0226 HJP 3239	 Lab
1009	Joelle Presson MWF 12:00pm - 12:50pm Tu 2:00pm - 4:50pm	Seats (Total: 22) HJP 0226 HJP 3239	 Lab
1011	Joelle Presson MWF 12:00pm - 12:50pm Tu 5:00pm - 7:50pm	Seats (Total: 22) HJP 0226 HJP 3239	 Lab

BSCI201 **Human Anatomy and Physiology I**

BSCI201 Human Anatomy and Physiology I; (4 credits) Grade Method: REG/P-F/AUD. CORE Life Science Lab (LL) Course. GenEd: Distributive Studies - Natural Science Lab.
Prerequisite: BSCI105; or students who have taken courses with similar or comparable course content may contact the department. Anatomy and physiology of the skeletal, muscular, neural, endocrine, and sensory systems. Course not acceptable toward major requirements in Biological Sciences, Chemistry or Biochemistry. Not acceptable for credit in any Biological Sciences major. (Sponsoring Dept.: BIOL). Students must pay a $40.00 laboratory materials fee.

0101	Justicia Opoku-Edusei MWF 12:00pm - 12:50pm M 9:00am - 11:50am	Seats (Total: 24) BRB 1101 BPS 0205	 Lab
0102	Justicia Opoku-Edusei MWF 12:00pm - 12:50pm M 1:00pm - 3:50pm	Seats (Total: 24) BRB 1101 BPS 0205	 Lab
0103	Justicia Opoku-Edusei MWF 12:00pm - 12:50pm M 4:00pm - 6:50pm	Seats (Total: 24) BRB 1101 BPS 0205	 Lab
0104	Justicia Opoku-Edusei MWF 12:00pm - 12:50pm Tu 8:00am - 10:50am	Seats (Total: 24) BRB 1101 BPS 0205	 Lab
0105	Justicia Opoku-Edusei MWF 12:00pm - 12:50pm Tu 11:00am - 1:50pm	Seats (Total: 24) BRB 1101 BPS 0205	 Lab
0106	Justicia Opoku-Edusei MWF 12:00pm - 12:50pm Tu 2:00pm - 4:50pm	Seats (Total: 24) BRB 1101 BPS 0205	 Lab
0107	Justicia Opoku-Edusei MWF 12:00pm - 12:50pm W 9:00am - 11:50am	Seats (Total: 24) BRB 1101 BPS 0205	 Lab

0108	Justicia Opoku-Edusei MWF 12:00pm - 12:50pm W 1:00pm - 3:50pm	Seats (Total: 24) BRB 1101 BPS 0205	 Lab
0109	Justicia Opoku-Edusei MWF 12:00pm - 12:50pm W 4:00pm - 6:50pm	Seats (Total: 24) BRB 1101 BPS 0205	 Lab
0110	Justicia Opoku-Edusei MWF 12:00pm - 12:50pm Th 8:00am - 10:50am	Seats (Total: 24) BRB 1101 BPS 0205	 Lab
0111	Justicia Opoku-Edusei MWF 12:00pm - 12:50pm Th 11:00am - 1:50pm	Seats (Total: 24) BRB 1101 BPS 0205	 Lab
0112	Justicia Opoku-Edusei MWF 12:00pm - 12:50pm Th 2:00pm - 4:50pm	Seats (Total: 24) BRB 1101 BPS 0205	 Lab
0114	Justicia Opoku-Edusei MWF 12:00pm - 12:50pm Tu 6:00pm - 8:50pm	Seats (Total: 24) BRB 1101 BPS 0205	 Lab
0115	Justicia Opoku-Edusei MWF 12:00pm - 12:50pm Th 6:00pm - 8:50pm	Seats (Total: 24) BRB 1101 BPS 0205	 Lab
0116	Justicia Opoku-Edusei MWF 12:00pm - 12:50pm M 7:00pm - 9:50pm	Seats (Total: 24) BRB 1101 BPS 0205	 Lab
0119	Justicia Opoku-Edusei MWF 12:00pm - 12:50pm F 9:00am - 11:50am	Seats (Total: 24) BRB 1101 BPS 0205	 Lab

BSCI202 Human Anatomy and Physiology II

BSCI202 Human Anatomy and Physiology II; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisite: BSCI201; or permission of CMNS-Biology department. Anatomy and physiology of the cardiovascular, respiratory, immune, digestive, urinary and reproductive systems. Course not acceptable toward major requirements in Biological Sciences, Chemistry or Biochemistry. Students must pay a $40.00 laboratory materials fee.

0101	Tammatha O'Brien TuTh 8:00am - 9:15am Th 5:00pm - 7:50pm	Seats (Total: 24) BRB 1101 BPS 0201	 Lab
0102	Tammatha O'Brien TuTh 8:00am - 9:15am M 11:00am - 1:50pm	Seats (Total: 24) BRB 1101 BPS 0201	 Lab
0103	Tammatha O'Brien TuTh 8:00am - 9:15am M 2:00pm - 4:50pm	Seats (Total: 24) BRB 1101 BPS 0201	 Lab
0104	Tammatha O'Brien TuTh 8:00am - 9:15am M 5:00pm - 7:50pm	Seats (Total: 24) BRB 1101 BPS 0201	 Lab
0105	Tammatha O'Brien TuTh 8:00am - 9:15am Tu 9:30am - 12:20pm	Seats (Total: 24) BRB 1101 BPS 0201	 Lab
0106	Tammatha O'Brien TuTh 8:00am - 9:15am Tu 1:00pm - 3:50pm	Seats (Total: 24) BRB 1101 BPS 0201	 Lab
0107	Tammatha O'Brien TuTh 8:00am - 9:15am W 8:00am - 10:50am	Seats (Total: 24) BRB 1101 BPS 0201	 Lab
0108	Tammatha O'Brien TuTh 8:00am - 9:15am W 11:00am - 1:50pm	Seats (Total: 24) BRB 1101 BPS 0201	 Lab

0109	Tammatha O'Brien TuTh 8:00am - 9:15am W 2:00pm - 4:50pm	Seats (Total: 24) BRB 1101 BPS 0201	 Lab
0110	Tammatha O'Brien TuTh 8:00am - 9:15am W 5:00pm - 7:50pm	Seats (Total: 24) BRB 1101 BPS 0201	 Lab
0111	Tammatha O'Brien TuTh 8:00am - 9:15am Th 9:30am - 12:20pm	Seats (Total: 24) BRB 1101 BPS 0201	 Lab
0112	Tammatha O'Brien TuTh 8:00am - 9:15am F 11:00am - 1:50pm	Seats (Total: 24) BRB 1101 BPS 0201	 Lab
SEF1	Tammatha O'Brien Th 6:00pm - 8:50pm Tu 6:00pm - 8:50pm *This section is restricted to students who enroll through the Science i Evening program and may not be added on Testudo. Click here for complete program details including program eligibility information, tuition and fee information and registration instructions.*	Seats (Total: 24) PLS 1119 BPS 0201	 Lab

BSCI207 **Principles of Biology III - Organismal Biology**

BSCI207 Principles of Biology III - Organismal Biology; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: BSCI106 and BSCI105; and completed or be concurrently enrolled in CHEM131 or CHEM103. The diversity, structure and function of organisms as understood from the perspective of their common physicochemical principles and unique evolutionary histories.

0101	William Higgins, Jeffrey Shultz TuTh 2:00pm - 3:15pm	Seats (Total: 215) BRB 1101
0201	Eric Haag, Karen Carleton MWF 11:00am - 11:50am	Seats (Total: 215) PHY 1412

BSCI215 **Global Sustainability: A Biologist's Perspective**

BSCI215 Global Sustainability: A Biologist's Perspective; (3 credits) Grade Method: REG/P-F/AUD. CORE Life Science (LS) Course. GenEd: Distributive Studies - Natural Sciences; Signature Courses - I-Series.
Credit only granted for: BSCI205 or BSCI215. An overview of basic ecological and evolutionary principles and how they relate to current global dilemmas such as overpopulation, pollution, preservation of biodiversity, and the ethics involved in these dilemmas.

0101	Michele Dudash TuTh 9:30am - 10:45am	Seats (Total: 60) PLS 1140	

BSCI222 **Principles of Genetics**

BSCI222 Principles of Genetics; (4 credits) Grade Method: REG/P-F/AUD. *Prerequisite: CHEM131, CHEM132, BSCI106, and BSCI105. Or BSCI105; and Must have completed two semesters of chemistry.* Principles and mechanisms of heredity and gene expression. Considers plant, animal, and microbial organisms. (Sponsoring Dept.: BSCI).

2121	Patricia Shields MWF 1:00pm - 1:50pm M 10:00am - 11:50am	Seats (Total: 22) BRB 1101 HJP 3233	 Discussion
2122	Patricia Shields MWF 1:00pm - 1:50pm M 5:00pm - 6:50pm	Seats (Total: 22) BRB 1101 HJP 3233	 Discussion
2124	Patricia Shields MWF 1:00pm - 1:50pm Tu 10:00am - 11:50am	Seats (Total: 22) BRB 1101 HJP 3233	 Discussion
2125	Patricia Shields MWF 1:00pm - 1:50pm Tu 12:00pm - 1:50pm	Seats (Total: 22) BRB 1101 HJP 3233	 Discussion
2130	Patricia Shields MWF 1:00pm - 1:50pm W 10:00am - 11:50am	Seats (Total: 22) BRB 1101 HJP 3233	 Discussion

2132	Patricia Shields MWF 1:00pm - 1:50pm W 5:00pm - 6:50pm	Seats (Total: 22) BRB 1101 HJP 3233	Discussion
2137	Patricia Shields MWF 1:00pm - 1:50pm Th 12:00pm - 1:50pm	Seats (Total: 22) BRB 1101 HJP 3233	Discussion
2211	Thomas Kocher TuTh 11:00am - 12:15pm M 12:00pm - 1:50pm	Seats (Total: 22) HJP 0226 PLS 1146	Discussion
2215	Thomas Kocher TuTh 11:00am - 12:15pm Tu 2:00pm - 3:50pm	Seats (Total: 22) HJP 0226 PLS 1164	Discussion
2221	Thomas Kocher TuTh 11:00am - 12:15pm Tu 4:00pm - 5:50pm	Seats (Total: 22) HJP 0226 BPS 1234	Discussion
2231	Thomas Kocher TuTh 11:00am - 12:15pm Tu 6:00pm - 7:50pm	Seats (Total: 22) HJP 0226 PLS 1158	Discussion
2251	Thomas Kocher TuTh 11:00am - 12:15pm W 12:00pm - 1:50pm	Seats (Total: 22) HJP 0226 PLS 1115	Discussion
2261	Thomas Kocher TuTh 11:00am - 12:15pm W 7:00pm - 8:50pm	Seats (Total: 22) HJP 0226 PLS 1115	Discussion
2265	Thomas Kocher TuTh 11:00am - 12:15pm Th 2:00pm - 3:50pm	Seats (Total: 22) HJP 0226 PLS 1146	Discussion
2267	Thomas Kocher TuTh 11:00am - 12:15pm Th 4:00pm - 5:50pm	Seats (Total: 22) HJP 0226 BPS 1234	Discussion

2271	Thomas Kocher TuTh 11:00am - 12:15pm Th 6:00pm - 7:50pm	Seats (Total: 22) HJP 0226 PLS 1146	 Discussion

BSCI223 **General Microbiology**

BSCI223 General Microbiology; (4 credits) Grade Method: REG/P-F/AUD. CORE Life Science Lab (LL) Course. GenEd: Distributive Studies - Natural Science Lab; Signature Courses - I-Series.
Prerequisite: BSCI105. Fundamental concepts in morphology, physiology, genetics, immunology, ecology, and pathogenic microbiology. Applications of microbiology to medicine, the food industry and biotechnology. (Sponsoring Dept.: CBMG). Students must pay a $40.00 laboratory materials fee.

1101	John Buchner TuTh 11:00am - 11:50am MW 10:00am - 11:50am	Seats (Total: 20) BRB 1101 MCB 1201	 Lab
1106	John Buchner TuTh 11:00am - 11:50am MW 10:00am - 11:50am	Seats (Total: 20) BRB 1101 MCB 1206	 Lab
1121	John Buchner TuTh 11:00am - 11:50am TuTh 9:00am - 10:50am	Seats (Total: 20) BRB 1101 MCB 1201	 Lab
1126	John Buchner TuTh 11:00am - 11:50am TuTh 9:00am - 10:50am	Seats (Total: 20) BRB 1101 MCB 1206	 Lab
1201	John Buchner TuTh 11:00am - 11:50am MW 12:00pm - 1:50pm	Seats (Total: 20) BRB 1101 MCB 1201	 Lab
1206	John Buchner TuTh 11:00am - 11:50am MW 12:00pm - 1:50pm	Seats (Total: 20) BRB 1101 MCB 1206	 Lab
1221	John Buchner TuTh 11:00am - 11:50am TuTh 12:00pm - 1:50pm	Seats (Total: 20) BRB 1101 MCB 1201	 Lab

1301	John Buchner TuTh 11:00am - 11:50am MW 2:00pm - 3:50pm	Seats (Total: 20) BRB 1101 MCB 1201	Lab
1305	John Buchner TuTh 11:00am - 11:50am MW 2:00pm - 3:50pm	Seats (Total: 20) BRB 1101 MCB 1205	Lab
1306	John Buchner TuTh 11:00am - 11:50am MW 2:00pm - 3:50pm	Seats (Total: 20) BRB 1101 MCB 1206	Lab
1321	John Buchner TuTh 11:00am - 11:50am TuTh 2:00pm - 3:50pm	Seats (Total: 20) BRB 1101 MCB 1201	Lab
1325	John Buchner TuTh 11:00am - 11:50am TuTh 2:00pm - 3:50pm	Seats (Total: 20) BRB 1101 MCB 1205	Lab
1326	John Buchner TuTh 11:00am - 11:50am TuTh 2:00pm - 3:50pm	Seats (Total: 20) BRB 1101 MCB 1206	Lab
2105	John Buchner TuTh 11:00am - 11:50am MW 10:00am - 11:50am	Seats (Total: 20) BRB 1101 MCB 1205	Lab
2205	John Buchner TuTh 11:00am - 11:50am MW 12:00pm - 1:50pm	Seats (Total: 20) BRB 1101 MCB 1205	Lab
2226	John Buchner TuTh 11:00am - 11:50am TuTh 12:00pm - 1:50pm	Seats (Total: 20) BRB 1101 MCB 1206	Lab

SEF1	Keith Lampel	Seats (Total: 20)	
	TuTh 6:00pm - 6:50pm TuTh 7:00pm - 9:00pm	MCB 1207 MCB 1201	 Lab
	This section is restricted to students who enroll through the Science i Evening program and may not be added on Testudo. Click here for complete program details including program eligibility information, tuition and fee information and registration instructions.		
SEF2	Keith Lampel	Seats (Total: 20)	
	TuTh 6:00pm - 6:50pm TuTh 7:00pm - 9:00pm	MCB 1207 MCB 1206	 Lab
	This section is restricted to students who enroll through the Science i Evening program and may not be added on Testudo. Click here for complete program details including program eligibility information, tuition and fee information and registration instructions.		

BSCI258 **College Park Scholars Internship; College Park Scholars Internship**

BSCI258 College Park Scholars Internship: College Park Scholars Internship; (1-3 credits) Grade Method: REG/P-F/AUD.

8005	Reid Compton, Rebecca Kenemuth	Seats (Total: 55)
	Contact instructor or department for details.	

BSCI279 **Supplemental Study; Supplemental Study in Biology**

BSCI279 *(PermReq)* **Supplemental Study: Supplemental Study in Biology; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
(Sponsoring Dept.: BIOL).

Contact department for information to register for this course.

BSCI279B **Supplemental Study; Strategies for Success**

BSCI279B *(PermReq)* **Supplemental Study: Strategies for Success; (1 credit)** Grade Method: REG/P-F/AUD.

SG91	Beth Parent	Seats (Total: 30)
	M 12:30pm - 1:25pm	Location: TBA
	Registration is restricted to Biological Sciences-Shady Grove majors. Permission is required for all other students to enroll in courses at Shady Grove. Please email usgbioscie@umd.edu for permission.	

BSCI279L **Supplemental Study; Biology I Laboratory**
Contact department for information to register for this course.

BSCI279N **Supplemental Study; Biology II Laboratory**
Contact department for information to register for this course.

BSCI279P **Supplemental Study; Undergraduate Teaching Fellows Professional Development Seminar**

BSCI279P *(PermReq)* **Supplemental Study: Undergraduate Teaching Fellows Professional Development Seminar; (1-3 credits)** Grade Method: REG/P-F/AUD.

0101	Francisca Saavedra Tu 5:00pm - 5:50pm	Seats (Total: 34) PLS 1130

BSCI279Q **Supplemental Study; Readings in Neurophysiology**

BSCI279Q *(PermReq)* **Supplemental Study: Readings in Neurophysiology; (1 credit)** Grade Method: REG/P-F/AUD.

0101	Elizabeth Quinlan, Ricardo Araneda, Patrick Kanold, Daniel Butts Contact instructor or department for details.	Seats (Total: 13)

BSCI279R **Supplemental Study; Undergraduate Research Rotation**

BSCI279R *(PermReq)* **Supplemental Study: Undergraduate Research Rotation; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
(Sponsoring Dept.: CBMG).

Contact department for information to register for this course.

BSCI283 **Principles of Microbiology**

BSCI283 Principles of Microbiology; (4 credits) Grade Method: REG/P-F/AUD. *Prerequisite: BSCI207 and BSCI222. Credit only granted for: BSCI223 or BSCI283. Additional information: Priority given to BSCI, BCHM and CHEM majors.* Introduction to microorganisms designed for science majors. Genetic principles underlying microbial abilities; microbial structure-function relationships; metabolism, physiology, and ecology of microorganisms; interactions between microorganisms (including pathogens) and their hosts.

1225	Wade Winkler	Seats (Total: 20)	
	TuTh 11:00am - 11:50am TuTh 12:00pm - 1:50pm	HBK 0109 MCB 1205	Lab
2125	Wade Winkler	Seats (Total: 20)	
	TuTh 11:00am - 11:50am TuTh 9:00am - 10:50am	HBK 0109 MCB 1205	Lab

BSCI288 **Internship; Field Experience**

BSCI288 *(PermReq)* **Internship: Field Experience; (1-6 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
(Sponsoring Dept.: BSCI).

Contact department for information to register for this course.

BSCI289 **Off-Campus Internship**

BSCI289 *(PermReq)* **Off-Campus Internship; (1-3 credits)** Grade Method: S-F. Provides credit for off-campus research internships. This credit counts as elective toward graduation, but does not satisfy any Biological Sciences degree requirements (For information about research credit that does count toward Biological Sciences contact the Biological Sciences Program, room 1322 Symons Hall). The off-campus internship credit requires that a contract form be filed with the Director of Undergraduate Research and Internship Programs, Room 1313 Symons Hall, prior to the internship. The contract must be finalized and signed by the research supervisor at the end of the semester before credit will be awarded.

1110	Katerina Thompson	Seats (Total: 10)
	Contact instructor or department for details.	

BSCI329 **Instructional Assistance Practicum**

BSCI329 *(PermReq)* **Instructional Assistance Practicum; (1-2 credits)** Grade Method: REG/P-F.
(Sponsoring Dept.: BIOL). Prerequisite: permission of department. Credit cannot be applied to the requirements of any Biological Sciences Major.

1016	Hilary Bierman Contact instructor or department for details.	Seats (Total: 10)		
1046	Jens Herberholz Contact instructor or department for details.	Seats (Total: 10)		
1060	Marco Colombini Contact instructor or department for details.	Seats (Total: 4)		
1150	William Higgins Contact instructor or department for details.	Seats (Total: 10)		

BSCI330 **Cell Biology and Physiology**

BSCI330 Cell Biology and Physiology; (4 credits) Grade Method: REG/P-F/AUD. *Prerequisite: Minimum grade of C- in CHEM131, CHEM132, and BSCI105. Restriction: Must not have completed BSCI230. Credit only granted for: BSCI230 or BSCI330. Formerly: BSCI230.* Biochemical and physiological mechanisms underlying cellular function. Properties of cells which make life possible and mechanisms by which cells provide energy, reproduce, and regulate and integrate with each other and their environment. (Sponsoring Dept.: BIOL). Specialization Areas: PHNB, CEBG, MICB, ECEV, and GENB. Students must pay a $40.00 laboratory materials fee.

0101	Ibrahim Ades MWF 9:00am - 9:50am M 11:00am - 1:50pm	Seats (Total: 24) BRB 1101 BPS 0207		Lab
0102	Ibrahim Ades MWF 9:00am - 9:50am M 2:00pm - 4:50pm	Seats (Total: 24) BRB 1101 BPS 0207		Lab
0103	Ibrahim Ades MWF 9:00am - 9:50am Tu 8:00am - 10:50am	Seats (Total: 24) BRB 1101 BPS 0207		Lab

0104	Ibrahim Ades MWF 9:00am - 9:50am Tu 11:00am - 1:50pm	Seats (Total: 24) BRB 1101 BPS 0207	Lab
0105	Ibrahim Ades MWF 9:00am - 9:50am W 11:00am - 1:50pm	Seats (Total: 24) BRB 1101 BPS 0207	Lab
0106	Ibrahim Ades MWF 9:00am - 9:50am W 2:00pm - 4:50pm	Seats (Total: 24) BRB 1101 BPS 0207	Lab
0107	Ibrahim Ades MWF 9:00am - 9:50am W 6:00pm - 8:50pm	Seats (Total: 24) BRB 1101 BPS 0207	Lab
0108	Ibrahim Ades MWF 9:00am - 9:50am Th 8:00am - 10:50am	Seats (Total: 24) BRB 1101 BPS 0207	Lab
0109	Ibrahim Ades MWF 9:00am - 9:50am Th 11:00am - 1:50pm	Seats (Total: 24) BRB 1101 BPS 0207	Lab
0111	Ibrahim Ades MWF 9:00am - 9:50am M 6:00pm - 8:50pm	Seats (Total: 24) BRB 1101 BPS 0207	Lab
0112	Ibrahim Ades MWF 9:00am - 9:50am Tu 6:00pm - 8:50pm	Seats (Total: 24) BRB 1101 BPS 0207	Lab
0113	Ibrahim Ades MWF 9:00am - 9:50am Tu 2:00pm - 4:50pm	Seats (Total: 24) BRB 1101 BPS 0207	Lab
0114	Ibrahim Ades MWF 9:00am - 9:50am Th 2:00pm - 4:50pm	Seats (Total: 24) BRB 1101 BPS 0207	Lab

1101	Kenneth Frauwirth, Hadiya Woodham TuTh 12:30pm - 1:45pm M 11:00am - 1:50pm	Seats (Total: 24) BRB 1101 BPS 0257	 Lab
1102	Kenneth Frauwirth, Hadiya Woodham TuTh 12:30pm - 1:45pm M 2:00pm - 4:50pm	Seats (Total: 24) BRB 1101 BPS 0257	 Lab
1103	Kenneth Frauwirth, Hadiya Woodham TuTh 12:30pm - 1:45pm Tu 8:30am - 11:20am	Seats (Total: 24) BRB 1101 BPS 0257	 Lab
1104	Kenneth Frauwirth, Hadiya Woodham TuTh 12:30pm - 1:45pm Tu 2:00pm - 4:50pm	Seats (Total: 24) BRB 1101 BPS 0257	 Lab
1105	Kenneth Frauwirth, Hadiya Woodham TuTh 12:30pm - 1:45pm W 11:00am - 1:50pm	Seats (Total: 24) BRB 1101 BPS 0257	 Lab
1106	Kenneth Frauwirth, Hadiya Woodham TuTh 12:30pm - 1:45pm W 2:00pm - 4:50pm	Seats (Total: 24) BRB 1101 BPS 0257	 Lab
SEF1	Elizabeth Read-Connole Tu 6:30pm - 9:30pm Th 6:30pm - 9:30pm *This section is restricted to students who enroll through the Science i Evening program. For more information, click here.*	Seats (Total: 24) PLS 1140 BPS 0207	 Lab
SEF2	Elizabeth Read-Connole Tu 6:30pm - 9:30pm Th 6:30pm - 9:30pm *This section is restricted to students who enroll through the Science i Evening program. For more information, click here.*	Seats (Total: 24) PLS 1140 BPS 0257	 Lab

SG91	Beth Parent	Seats (Total: 40)	
	TuTh 11:00am - 12:15pm	BLD2 2032	
	Tu 2:00pm - 4:50pm	BLD2 4012	Lab
	Registration is restricted to Biological Sciences-Shady Grove majors. Permission is required for all other students to enroll in courses at Shady Grove. Please email usgbioscie@umd.edu for permission.		

BSCI338B **Special Topics in Biology; Marine Biology**

BSCI338B Special Topics in Biology: Marine Biology; (3 credits) Grade Method: REG/P-F/AUD.
Specialization Areas: GENB and ECEV.

0101	Marjorie Reaka	Seats (Total: 40)
	TuTh 11:00am - 12:15pm	BPS 1238

BSCI338D **Special Topics in Biology; Complexity of Cancer**
Contact department for information to register for this course.

BSCI338E **Special Topics in Biology; Neuroethology**

BSCI338E Special Topics in Biology: Neuroethology; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: BSCI106 and BSCI330. Acceptable towards Biological Sciences Specialization Areas: PHNB, GENB. (Sponsoring Dept.: BIOL).

0101	Catherine Carr	Seats (Total: 30)
	TuTh 2:00pm - 3:15pm	EDU 1121

BSCI338G **Special Topics in Biology; Seminar on Deregulated Cell Growth in Cancer and Drug Development**

BSCI338G Special Topics in Biology: Seminar on Deregulated Cell Growth in Cancer and Drug Development; (2 credits) Grade Method: REG/P-F/AUD.
Sponsoring department (BSCI). Acceptable towards Biological Sciences areas: PHNB and GENB. Pre-requisite: BSCI 330.

0101	Ibrahim Ades	Seats (Total: 20)
	W 12:00pm - 1:40pm	BPS 1238

BSCI338I **Special Topics in Biology; Medical Biotechnology & Drug Development**
Contact department for information to register for this course.

BSCI338L **Special Topics in Biology; Developmental and Systems Pathology**
Contact department for information to register for this course.

BSCI338M **Special Topics in Biology; Human Health and Disease: A Clinical Approach**
Contact department for information to register for this course.

BSCI338O **Special Topics in Biology; Cell Biology from A Biophysical Perspective**

BSCI338O Special Topics in Biology: Cell Biology from A Biophysical Perspective; (3 credits) Grade Method: REG/P-F/AUD.

0101	Sergei Sukharev	Seats (Total: 15)
	TuTh 3:30pm - 4:45pm	PLS 1113

BSCI338R **Special Topics in Biology; The Evolution of Disease in the Global Community**

BSCI338R Special Topics in Biology: The Evolution of Disease in the Global Community; (3 credits) Grade Method: REG/P-F/AUD.

SEF1	Marcia Shofner	Seats (Total: 30)
	M 6:30pm - 9:30pm	PLS 1111
	This section is restricted to students who enroll through the Science i Evening program and may not be added on Testudo. Click here for complete program details including program eligibility information, tuition and fee information and registration instructions.	

BSCI338Z **Special Topics in Biology; Field Research**

BSCI338Z *(PermReq)* **Special Topics in Biology: Field Research; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
(Sponsoring Dept: BIOL). Cannot be used as credit toward the major requirements for any Biological Sciences major. Contact the Biology Department Undergraduate Office for course information.

Contact department for information to register for this course.

BSCI348 **Special Topics in Cell Biology and Molecular Genetics**

BSCI348 *(PermReq)* **Special Topics in Cell Biology and Molecular Genetics; (1-4 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
(Sponsoring Dept.: CBMG). May be repeated but only 3 credits may be applied to major requirements.

Contact department for information to register for this course.

BSCI348A **Special Topics in Cell Biology and Molecular Genetics; Microbiology Undergraduate Teaching Practicum**

BSCI348A *(PermReq)* **Special Topics in Cell Biology and Molecular Genetics: Microbiology Undergraduate Teaching Practicum; (3 credits)** Grade Method: REG/P-F/AUD.
Students will act as Undergraduate Teaching Assistants for BSCI223. Prerequisite: A or B in BSCI223 and permission of instructor. Students must be available for one of the BSCI223 lab periods. Students interested in this teaching/leadership opportunity should contact Dr. Richard Stewart for application information: This course is applicable for the Enrichment credits required of all Biological Sciences students in majors with 0404 codes. For others this is elective credit. Formerly: BSCI348U.

0101	Richard Stewart, John Buchner	Seats (Total: 25)
	F 8:00am - 8:50am	PLS 1129
	Contact instructor or department for details.	

BSCI348R **Special Topics in Cell Biology and Molecular Genetics; Microbiology Internship**

BSCI348R *(PermReq)* **Special Topics in Cell Biology and Molecular Genetics: Microbiology Internship; (1-4 credits)** Grade Method: REG/P-F/AUD.
This course is an opportunity for students interested in microbiology to pursue a research project in an off-campus lab. The student must see the instructor and complete an information sheet found on the web site, prior to enrolling in the course. Click here for more course information.

0101	David Straney	Seats (Total: 8)
	Contact instructor or department for details.	

BSCI353 **Principles of Neuroscience**

BSCI353 Principles of Neuroscience; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: 1 course with a minimum grade of C- from (BSCI207, BSCI330). Corequisite: Concurrently enrolled in PHYS122 or PHYS142.* Principles of nervous system function, ranging from molecular and cellular basis of neuron function through nervous system integration.

0101	Richard Payne TuTh 12:30pm - 1:45pm	Seats (Total: 180) HJP 0226	

BSCI360 **Principles of Animal Behavior**

BSCI360 Principles of Animal Behavior; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: BSCI222, BSCI106, and BSCI105.* Study of animal behavior with emphasis on its evolution and function. Topics include genetic basis of behavior, communication, aggression, foraging, cooperation, mate selection, and relevance for conservation. (Sponsoring Dept.: BIOL). Acceptable toward Biological Sciences specialization areas: PHNB, and GENB.

0101	Gerald Wilkinson MW 11:00am - 11:50am F 9:00am - 9:50am	Seats (Total: 15) PLS 1130 PLS 1172	 Discussion
0102	Gerald Wilkinson MW 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 15) PLS 1130 PLS 1172	 Discussion
0103	Gerald Wilkinson MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 15) PLS 1130 PLS 1172	 Discussion
0104	Gerald Wilkinson MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 15) PLS 1130 PLS 1168	 Discussion

BSCI361 **Principles of Ecology**

BSCI361 Principles of Ecology; (4 credits) Grade Method: REG/P-F.
Prerequisite: BSCI106; and (MATH130 or MATH140). Basic principles of population, community, and ecosystem ecology. Use of these principles to predict possible consequences of human-caused changes in the environment and to understand the level of uncertainty of those predictions.

0101	Daniel Gruner TuTh 9:30am - 10:45am W 2:00pm - 2:50pm	Seats (Total: 24) SYM 0200 PLS 1115	 Discussion
0102	Daniel Gruner TuTh 9:30am - 10:45am W 3:00pm - 3:50pm	Seats (Total: 24) SYM 0200 PLS 1115	 Discussion
0103	Daniel Gruner TuTh 9:30am - 10:45am W 4:00pm - 4:50pm	Seats (Total: 24) SYM 0200 PLS 1115	 Discussion

BSCI363 **The Biology of Conservation and Extinction**

BSCI363 The Biology of Conservation and Extinction; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: BSCI106. Ecology, evolutionary biology, and paleontology will be applied to the study of conservation, species invasions, and extinction.

0101	Karen Lips MWF 10:00am - 10:50am	Seats (Total: 60) SPH 1303

BSCI370 **Principles of Evolution**

BSCI370 Principles of Evolution; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: BSCI106. Understanding evolutionary processes in a natural and human environment, including adaptation; DNA sequence, protein, and genome evolution; evolution of developmental mechanisms; mechanisms of evolutionary change (mutation, natural selection, drift); epidemiology; coevolution and biological control; speciation; comparative methods; extinction and conservation; human evolution. (Sponsoring Dept.: BIOL) Applies to Biological Sciences Specialization Areas: PHNB, GENB, and ECEV.

0101	Charles Fenster TuTh 11:00am - 12:15pm	Seats (Total: 100) PLS 1140

BSCI373 **Natural History of the Chesapeake Bay**

BSCI373 Natural History of the Chesapeake Bay; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: 3 credits in BSCI courses; or permission of CMNS-Biological Sciences UG Program. Also offered as: ENST373. Credit only granted for: BSCI206, BSCI373, or ENST373. Consideration of the major groups of organisms associated with the Chesapeake Bay and current issues that determine humans' present and future uses for the Chesapeake and its biota.

0101	Patrick Kangas MWF 3:00pm - 3:50pm	Seats (Total: 83) ANS 0408

BSCI378H **Cell Biology and Molecular Genetics Department Honors Seminar**

BSCI378H *(PermReq)* **Cell Biology and Molecular Genetics Department Honors Seminar; (1 credit)** Grade Method: REG.
Repeatable to 6 credits. Required seminar for all students participating in departmental honors research program. (Sponsoring Dept.: CBMG). Restricted to students participating in the CBMG Departmental Honors Program. If you are interested in a CBMG Departmental Honors Research experience, please see the CBMG department web site for detailed information. Click here for more course information.

0101	Zhongchi Liu F 2:00pm - 2:50pm	Seats (Total: 18) HJP 1216

BSCI379G **Cell Biology and Molecular Genetics Department Research; Research in Cell Biology and Molecular Genetics**

BSCI379G *(PermReq)* **Cell Biology and Molecular Genetics Department Research: Research in Cell Biology and Molecular Genetics; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
(Sponsoring Dept.: CBMG). Permission required. See CBMG department Undergraduate office. Formerly MICB399G. Click here for more course information.

Contact department for information to register for this course.

BSCI379H **Cell Biology and Molecular Genetics Department Honors Research**

BSCI379H *(PermReq)* **Cell Biology and Molecular Genetics Department Honors Research; (1-3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: admission to departmental honors program. Repeatable to 8 credits if content differs. Student should consult program guidelines. Research project carried out under guidance of faculty advisor. (Sponsoring Dept.: CBMG). Corequisite: BSCI378H. Restricted to students participating in the CBMG Departmental Honors Program. Click here for detailed program information.

Contact department for information to register for this course.

BSCI379P **Cell Biology and Molecular Genetics Department Research; Research in Plant Biology**

BSCI379P *(PermReq)* **Cell Biology and Molecular Genetics Department Research: Research in Plant Biology; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
(Sponsoring Dept.: CBMG). Permission required. See CBMG Undergraduate office Formerly PBIO399. Click here for more course information.

Contact department for information to register for this course.

BSCI389 **Entomology Department Research**

BSCI389 *(PermReq)* **Entomology Department Research; (1-2 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
(Sponsoring Dept.: ENTM).Formerly ENTM399.

Contact department for information to register for this course.

BSCI389H **Entomology Department Honors Research**

BSCI389H *(PermReq)* **Entomology Department Honors Research; (1-2 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
(Sponsoring Dept.: ENTM).

Contact department for information to register for this course.

BSCI392 **Biology of Extinct Animals**

BSCI392 Biology of Extinct Animals; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: BSCI106.* A survey of extinct animals that have few, if any, direct living descendants. The principles governing the functional design of animals will be used to infer life styles for extinct, and frequently bizarre, organisms. Specialization Areas: ECEV and GENB.

0101	Bretton Kent	Seats (Total: 55)	
	MWF 9:00am - 9:50am	PLS 1130	

BSCI393 **Biology of Extinct Animals Laboratory**

BSCI393 Biology of Extinct Animals Laboratory; (1 credit) Grade Method: REG/P-F/AUD.
Prerequisite: Completed or be concurrently enrolled in BSCI392. An overview of the techniques used in paleobiological reconstructions of extinct animals. Specialization Areas: ECEV and GENB.

0101	Bretton Kent	Seats (Total: 24)	
	M 1:00pm - 4:00pm	BPS 0275	Lab

BSCI398H **Biology Department Honors Seminar**

BSCI398H *(PermReq)* **Biology Department Honors Seminar; (1 credit)** Grade Method: REG/P-F/AUD.
Prerequisite: permission of department. Required seminar for all students participating in departmental honors research program. (Sponsoring Dept. :BIOL).

1000	Marjorie Reaka	Seats (Total: 35)	
	M 4:00pm - 5:00pm	BPS 1208	

BSCI399 **Biology Department Research; Biology Department Research**

BSCI399 *(PermReq)* **Biology Department Research: Biology Department Research; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Formerly ZOOL 319. (Sponsoring Dept.: BIOL)

Contact department for information to register for this course.

BSCI399H **Biology Department Honors Research**

BSCI399H *(PermReq)* **Biology Department Honors Research; (1-2 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: participation in the Biology Department Honors Program. Repeatable to 8 credits if content differs. A laboratory research problem; required each semester during honors participation and culminating in an honors thesis. (Sponsoring Dept.: BIOL). Formerly ZOOL318H.

Contact department for information to register for this course.

BSCI410 **Molecular Genetics**

BSCI410 Molecular Genetics; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: BSCI222. And Must have completed CHEM233; or (CHEM231 and CHEM232). An advanced genetics course emphasizing the molecular basis of gene structure and function in the context of modern approaches to the genetics of humans and model organisms. (Sponsoring Dept.: CBMG). Acceptable toward Biological Sciences specialization areas: PHNB, MICB, CEBG, GENB and CMBG.

0101	Caren Chang, Zhongchi Liu	Seats (Total: 120)	
	TuTh 11:00am - 12:15pm	BPS 1250	

BSCI411 **Bioinformatics and Integrated Genomics**

BSCI411 Bioinformatics and Integrated Genomics; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Minimum grade of C- in BSCI222. Recommended: BSCI410. Credit only granted for: BSCI380 or BSCI411. Formerly: BSCI380. Computational methods for the study of biological sequence data in comparative biology and evolution. Analysis of genome content and organization. Database searching, pairwise and multiple sequence alignment, phylogenetic, methods, pattern recognition, and functional inference. Functional and comparative genomics approaches. (Sponsoring Dept.: CBMG). Acceptable to Biological Specialization Areas: CEBG, MICB, and GENB. Studets must pay a $40.00 Laboratory Materials fee.

0101	Najib El-Sayed, Sridhar Hannenhalli	Seats (Total: 25)	
	MWF 10:00am - 10:50am	CSI 2117	
	M 2:00pm - 5:00pm	PLS 1121	Lab

0102	Najib El-Sayed, Sridhar Hannenhalli MWF 10:00am - 10:50am W 2:00pm - 5:00pm	Seats (Total: 25) CSI 2117 PLS 1121	 Lab

BSCI414 **Recombinant DNA Laboratory**

BSCI414 Recombinant DNA Laboratory; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: BSCI222.* An advanced course offering hands-on experience in performing recombinant DNA experiments. All current molecular biology techniques used for cloning prokaryotic genes, analyzing the gene products, and modifying the genes will be performed. Techniques include isolation of DNA, use of restriction enzymes; cloning procedures, PCR analysis, and Southern hybridizations. Lecture material focuses on interpretation of results generated in the laboratory. (Sponsoring Dept.: CBMG). Acceptable toward Biological Sciences Specialization Areas: PHNB, MICB, CEBG and GENB. Students must pay a $40.00 laboratory materials fee.

0101	Stephen Mount TuTh 12:30pm - 4:30pm Contact instructor or department for details.	Seats (Total: 18) MCB 1207	
0102	Stephen Mount TuTh 12:30pm - 4:30pm Contact instructor or department for details.	Seats (Total: 18) MCB 1207	

BSCI415 **Molecular Genetics Laboratory**

BSCI415 Molecular Genetics Laboratory; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Completed or be concurrently enrolled in BSCI410. Restriction: Junior standing or higher. Credit only granted for: BSCI348G or BSCI415. Formerly: BSCI348G. Problem solving laboratory organized around extended projects that employ different approaches toward linking gene and function. (Sponsoring Dept.: CBMG). Specialization Areas: CEBG and GENB. Students must pay a $40.00 laboratory materials fee.

0101	David Straney TuTh 2:00pm - 5:00pm	Seats (Total: 20) HJP 2226	 Lab

BSCI420 **Cell Biology Lectures**

BSCI420 Cell Biology Lectures; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: BSCI330 and BSCI222; and Must have completed CHEM233. Credit only granted for: BSCI420 or BSCI421.* Molecular and biochemical bases of cellular organization and function in eukaryotes. (Sponsoring Dept: BIOL). Specialization Areas: PHNB, CEBG, and GENB.

0101	Michael Ma MWF 12:00pm - 12:50pm	Seats (Total: 60) BPS 1250	

BSCI421 **Cell Biology**

BSCI421 Cell Biology; (4 credits) Grade Method: REG/P-F. *Prerequisite: BSCI330 and BSCI222; and Must have completed CHEM233. Credit only granted for: BSCI420 or BSCI421.* Molecular and biochemical basis of cellular organization and function in eukaryotes. (Sponsoring Dept.: BIOL). Applies toward Biological Sciences Specialization Areas: PHNB, CEBG, and GENB. Students must pay a $40.00 Laboratory Materials fee.

0101	Michael Ma MWF 12:00pm - 12:50pm Tu 2:00pm - 6:00pm	Seats (Total: 20) BPS 1250 PLS 1171	 Lab
0102	Michael Ma MWF 12:00pm - 12:50pm W 1:00pm - 5:00pm	Seats (Total: 20) BPS 1250 PLS 1171	 Lab

BSCI422 **Principles of Immunology**

BSCI422 Principles of Immunology; (3 credits) Grade Method: REG. *Prerequisite: BSCI223 and BSCI222. Recommended: BSCI330. Restriction: Junior standing or higher.* The immune system in health and disease. Presentation and analysis of the cellular and molecular processes that comprise the immune system.

SEF1	Sandra Fox-Moon W 6:00pm - 9:00pm	Seats (Total: 25) MCB 1207
	This section is restricted to students who enroll through the Science i Evening program and may not be added on Testudo. Click here for complete program details including program eligibility information, tuition and fee information and registration instructions.	

BSCI424 **Pathogenic Microbiology**

BSCI424 Pathogenic Microbiology; (4 credits) Grade Method: REG/P-F/AUD. *Prerequisite: BSCI223.* The role of bacteria and fungi in the diseases of humans with emphasis upon the differentiation and culture of microorganisms, types of disease, modes of disease transmission, prophylactic, therapeutic, and epidemiological aspects. (Sponsoring Dept.: CBMG). Acceptable toward Biological Sciences Specialization Areas: MICB and GENB (Category 2). Students must pay a $40.00 laboratory materials fee.

0101	Volker Briken, Kenneth Frauwirth	Seats (Total: 18)	
	TuTh 11:00am - 11:50am	MCB 1207	
	MW 9:00am - 10:50am	MCB 1143	Lab
0102	Volker Briken, Kenneth Frauwirth	Seats (Total: 18)	
	TuTh 11:00am - 11:50am	MCB 1207	
	MW 11:00am - 12:50pm	MCB 1143	Lab
0103	Kenneth Frauwirth, Volker Briken	Seats (Total: 18)	
	TuTh 11:00am - 11:50am	MCB 1207	
	MW 1:00pm - 2:50pm	MCB 1143	Lab
0104	Kenneth Frauwirth, Volker Briken	Seats (Total: 18)	
	TuTh 11:00am - 11:50am	MCB 1207	
	MW 3:00pm - 4:50pm	MCB 1143	Lab
SEF1	David Rollins	Seats (Total: 18)	
	TuTh 6:30pm - 7:20pm	BPS 1250	
	TuTh 7:30pm - 9:30pm	MCB 1135	Lab
	This section is restricted to students who enroll through the Science i Evening program and may not be added on Testudo. Click here for complete program details including program eligibility information, tuition and fee information and registration instructions.		
SG91	Sandra Fox-Moon	Seats (Total: 30)	
	M 11:00am - 11:50am	BLD2 3062	
	F 10:30am - 11:20am	BLD2 3062	
	M 12:00pm - 1:50pm	BLD2 4012	Lab
	F 11:30am - 1:20pm	BLD2 4012	Lab
	Registration is restricted to Biological Sciences-Shady Grove majors. Permission is required for all other students to enroll in courses at Shady Grove. Please email usgbioscie@umd.edu for permission.		

BSCI425 **Epidemiology and Public Health**

BSCI425 Epidemiology and Public Health; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: BSCI223. History, characteristic features of epidemiology; the important responsibilities of public health; vital statistics.

SG91	Joann Kuo	Seats (Total: 40)	
	W 11:00am - 12:20pm	BLD2 3062	
	W 12:30pm - 1:50pm	BLD2 3062	Discussion
	Registration is restricted to Biological Sciences-Shady Grove majors. Permission is required for all other students to enroll in courses at Shady Grove. Please email usgbioscie@umd.edu for permission.		

BSCI427 **Principles of Microscopy**

BSCI427 Principles of Microscopy; (2 credits) Grade Method: REG/P-F/AUD.
Prerequisite: BSCI421. An introduction to optical principles that underlie light and electron microscopic image formation. Brightfield, darkfield, phase contrast, differential interference contrast, fluorescence and polarized light microscopy. Comparison of light and electron microscopy. The application of these techniques to problems in biological research.

0101	Stephen Wolniak	Seats (Total: 6)
	MW 8:00am - 9:00am	HJP 1216

BSCI437 **General Virology**

BSCI437 General Virology; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: BSCI222; or permission of CMNS-Biological Sciences UG Program. Restriction: Junior standing or higher. Discussion of the physical and chemical nature of viruses, virus cultivation and assay methods, virus replication, viral diseases with emphasis on the oncogenic viruses, viral genetics, and characteristics of the major virus groups. (Sponsoring Dept.: CBMG). Acceptable toward Biological Sciences Specialization Areas: GENB, MICB and CEBG.

0101	Jonathan Dinman	Seats (Total: 60)
	MWF 11:00am - 11:50am	BPS 1243

BSCI440 **Mammalian Physiology**

BSCI440 Mammalian Physiology; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisite: BSCI330; and (CHEM231 and CHEM232; or Must have completed CHEM233). Or permission of CMNS-Biological Sciences UG Program. A study of the cardiovascular, hemopoietic, gastrointestinal, renal and respiratory systems. Chemical and endocrine regulation of physiological functions in mammals. Course does not count as an upper level lab for BIOL majors (see BSCI441). (Sponsoring Dept.: BIOL). Applies to Biological Sciences Specialization Areas: PHNB and GENB. BSCI 440 is a lecture/discussion format course. The laboratory is offered separately as BSCI 441.

0101	Joshua Singer MWF 10:00am - 10:50am M 11:00am - 12:50pm	Seats (Total: 34) BPS 1250 BPS 1236	 Discussion
0102	Joshua Singer MWF 10:00am - 10:50am M 2:00pm - 3:50pm	Seats (Total: 34) BPS 1250 BPS 1124	 Discussion
0103	Joshua Singer MWF 10:00am - 10:50am M 2:00pm - 3:50pm	Seats (Total: 34) BPS 1250 BPS 1236	 Discussion
0105	Joshua Singer MWF 10:00am - 10:50am W 11:00am - 12:50pm	Seats (Total: 33) BPS 1250 BPS 1228	 Discussion

BSCI441 **Mammalian Physiology Laboratory**

BSCI441 Mammalian Physiology Laboratory; (2 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Completed or be concurrently enrolled in BSCI440. Laboratory exercises in experimental mammalian physiology. (Sponsoring Dept.: BIOL). Applies to Biological Sciences Specialization Areas: PHNB and GENB. Students must pay a $40.00 laboratory materials fee.

0101	Hilary Bierman F 1:00pm - 1:50pm M 2:00pm - 5:50pm	Seats (Total: 20) BPS 1243 PLS 1181	 Lab

0102	Hilary Bierman F 1:00pm - 1:50pm Tu 2:00pm - 5:50pm	Seats (Total: 20) BPS 1243 PLS 1181	 Lab
0103	Hilary Bierman F 1:00pm - 1:50pm W 2:00pm - 5:50pm	Seats (Total: 20) BPS 1243 PLS 1181	 Lab

BSCI442 **Plant Physiology**

BSCI442 Plant Physiology; (4 credits) Grade Method: REG/P-F/AUD. *Prerequisite: BSCI105. And Must have completed CHEM233; or (CHEM231 and CHEM232).* A survey of the general physiological activities of plants. Offered Fall semester only. (Sponsoring Dept.: CBMG). Applies to Biological Sciences Specialization Areas: PHNB, CEBG and GENB. Students must pay a $40.00 laboratory materials fee.

0101	Heven Sze TuTh 11:00am - 12:15pm M 6:00pm - 9:00pm	Seats (Total: 18) BPS 1124 HJP 2230	 Lab

BSCI443 **Microbial Physiology**

BSCI443 Microbial Physiology; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: Minimum grade of C- in BSCI223. And minimum grade of C- in BCHM461; or minimum grade of C- in BCHM463.* Microbial cellular and population growth. Fermentation metabolism, physiology of anaerobiosis, and energy conservation and transformation in bacterial membranes. Efficiency of energy utilization for growth. Membrane structure and transport. Bacterial chemotaxis. Regulation of bacterial chromosome replication, RNA and protein synthesis. Control of metabolic pathways.

0101	Steven Hutcheson MW 11:00am - 12:15pm	Seats (Total: 50) MCB 1207	

BSCI446 **Neural Systems**

BSCI446 Neural Systems; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: BSCI330 or BSCI230. Neural development, followed by sensory, motor and integrative system organization in the central nervous system.

0101	Daphne Soares	Seats (Total: 60)
	TuTh 8:00am - 9:15am	PLS 1140

BSCI447 **General Endocrinology**

BSCI447 General Endocrinology; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: BSCI330; and Must have completed CHEM233 and CHEM243.
Functions and the functioning of the endocrine glands of animals with special reference to the vertebrates. (Sponsoring DEPT.: BIOL). Specialization Areas: PHNB and GENB.

0101	Justicia Opoku-Edusei	Seats (Total: 70)
	MWF 10:00am - 10:50am	BPS 1243

BSCI453 **Cellular Neurophysiology**

BSCI453 Cellular Neurophysiology; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Minimum grade of C- in BSCI330, CHEM231, CHEM232, and PHYS122.
The cellular and molecular basis of nervous system function. (Sponsoring DEPT.: BIOL). Acceptable toward Biological Sciences specialization areas: CEBG, PHNB and GENB.

0102	Daniel Butts	Seats (Total: 43)
	TuTh 11:00am - 12:15pm	BPS 1236

BSCI454 **Neurobiology Laboratory**

BSCI454 Neurobiology Laboratory; (1 credit) Grade Method: REG.
Prerequisite: Minimum grade of C- in BSCI330, CHEM231, CHEM232, and PHYS122.
Corequisite: Concurrently enrolled in BSCI453 or BSCI446. Basic neuroanatomical techniques, intracellular and extracellular recordings of electrical potentials from nerve and muscle. (Sponsoring Dept.: BIOL). Specialization areas: CEBG, PHNB, and GENB. Students must pay a $40.00 laboratory materials fee.

0101	Hilary Bierman M 2:00pm - 5:00pm	Seats (Total: 20) BPS 0213	Lab
0102	Hilary Bierman Tu 2:00pm - 5:00pm	Seats (Total: 20) BPS 0213	Lab
0103	Hilary Bierman W 2:00pm - 5:00pm	Seats (Total: 20) BPS 0213	Lab
0104	Hilary Bierman W 6:00pm - 9:00pm	Seats (Total: 20) BPS 0213	Lab
0105	Hilary Bierman Th 2:00pm - 5:00pm	Seats (Total: 20) BPS 0213	Lab

BSCI465 **Behavioral Ecology**

BSCI465 Behavioral Ecology; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: BSCI222 and BSCI106.* How natural and social environments shape individual behavior. The influence of evolution on patterns of individual adaptation. Use of the evolutionary paradigm to investigate specific problems in animal and human behavior.

0101	Gerald Borgia MW 10:00am - 11:15am	Seats (Total: 20) PLS 1117	

BSCI467 **Freshwater Biology**

BSCI467 Freshwater Biology; (4 credits) Grade Method: REG/P-F. *Prerequisite: Permission of CMNS-Biological Sciences UG Program.* Biology and ecology of freshwater invertebrates in lotic and lentic habitats, their adaptation to aquatic life, their function in aquatic ecosystems, and their relationship to environmental deterioration. Laboratory will include field trips, demonstrations, and identifications. Specialization Areas: ECEV and GENB.

0101	William Lamp MWF 1:00pm - 1:50pm W 2:00pm - 5:00pm	Seats (Total: 24) BPS 0283 PLS 1161	Lab

0102	William Lamp	Seats (Total: 24)	
	MWF 1:00pm - 1:50pm	BPS 0283	
	Th 2:00pm - 5:00pm	PLS 1161	Lab

BSCI471 **Molecular Evolution**

BSCI471 Molecular Evolution; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: BSCI222; or permission of CMNS-Biology department. Patterns of DNA sequence variation within and between species, caused by nucleotide changes and the movement of transposable elements. Theories of molecular evolution, such as the neutral theory. Molecular clock hypothesis: its importance as a practical empirical tool in molecular genetics and systematics and its theoretical foundation.

0101	Michael Cummings	Seats (Total: 25)	
	TuTh 12:30pm - 1:45pm	BPS 1238	

BSCI473 **Marine Ecology**
Contact department for information to register for this course.

BSCI481 **Insect Diversity and Classification**

BSCI481 Insect Diversity and Classification; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Permission of CMNS-Biological Sciences UG Program. The techniques of collecting insects in the field and their classification into the latest hierarchical scheme. Field trips will visit habitats throughout the state. An insect collection is required.

0101	Jeffrey Shultz	Seats (Total: 24)	
	F 10:00am - 10:50am	PLS 1117	
	MW 10:00am - 1:00pm	PLS 1161	Lab

BSCV CIVICUS Fall 2012

BSCV181 **Civicus Student and the University**

BSCV181 Civicus Student and the University; (1 credit) Grade Method: REG/P-F/AUD.
Restriction: Freshman standing; and Must be in the Civicus program. Credit only granted for: BSOS181 or BSCV181. Formerly: BSOS181. Knowledge and skills designed to utilize CIVICUS to enhance the college experience and preparation for civic engagement.

0101	James Bond M 2:00pm - 3:45pm	Seats (Total: 23) SOM 0101
0201	Julie Randolph W 2:00pm - 3:45pm	Seats (Total: 23) SOM 0101
0301	Vanessa Medley Th 2:00pm - 3:45pm	Seats (Total: 23) SOM 0101

BSCV191 **Introduction to Civicus**

BSCV191 Introduction to Civicus; (3 credits) Grade Method: REG.
Restriction: Must be in the Civicus program. Credit only granted for: BSCV191 or BSOS191. Formerly: BSOS191. An introduction to the social and historical foundations of a civil society. An examination of the roles of individuals, groups, social institutions and community services.

0101	Sue Briggs TuTh 9:30am - 10:45am	Seats (Total: 25) SOM 0101
0201	Sue Briggs TuTh 11:00am - 12:15pm	Seats (Total: 25) SOM 0101
0301	Sue Briggs TuTh 4:00pm - 5:15pm	Seats (Total: 25) SOM 0101

BSCV301 **Leadership in a Multicultural Society**

BSCV301 Leadership in a Multicultural Society; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: BSOS191, SOCY105, and BSCV181. Restriction: Sophomore standing or higher. Credit only granted for: BSOS301 or BSCV301. Formerly: BSOS301. A study and application of skills, historical context, theories, and concepts for constructive leadership in a pluralistic, multicultural, and diverse society. Social science methodologies and theories will provide the structure for the study of contemporary social problems, civil society issues, and leadership practices.

0101	Sue Briggs MW 4:30pm - 5:45pm	Seats (Total: 25) SOM 0101
0201	Steven Petkas TuTh 12:30pm - 1:45pm	Seats (Total: 30) SOM 0101
0301	Sue Briggs MW 6:00pm - 7:15pm	Seats (Total: 25) SOM 0101

BSCV309 **Civicus Seminar**

BSCV309 Civicus Seminar; (1 credit) Grade Method: REG/P-F/AUD.

0101	Sue Briggs Contact instructor or department for details.	Seats (Total: 5)

BSGC Global Communities Fall 2012

BSGC101 **Globalization**

BSGC101 Globalization; (3 credits) Grade Method: REG. CORE Behavioral and Social Science (SB) Course. GenEd: Distributive Studies - History and Social Sciences; Signature Courses - I-Series.
Restriction: Must be in Global Communities Living-Learning program. An exploration of a variety of perspectives and ways of understanding the historical evolution and contemporary significance of growing interconnectedness in the world. We will examine this through the lens a major contemporary issue, currently "global food," which looks at the ways in which food is culturally, economically, politically and socially placed within a global context.

0101	Virginia Haufler Tu 3:30pm - 4:45pm Th 11:00am - 12:15pm	Seats (Total: 27) TYD 2109 DOR 0128	Discussion
0102	Virginia Haufler Tu 3:30pm - 4:45pm Th 2:00pm - 3:15pm	Seats (Total: 25) TYD 2109 DOR 0128	Discussion
0103	Virginia Haufler Tu 3:30pm - 4:45pm Th 3:30pm - 4:45pm	Seats (Total: 25) TYD 2109 DOR 0128	Discussion

BSGC398E **Special Topics in Global Communities; Global Internship**

BSGC398E *(PermReq)* **Special Topics in Global Communities: Global Internship; (3 credits)** Grade Method: REG.

Restricted to students in the Global Communities Living-Learning program only.

0101	Natalie Vinski Contact instructor or department for details.	Seats (Total: 28)

BSGC398L **Special Topics in Global Communities; Service Learning**

BSGC398L *(PermReq)* **Special Topics in Global Communities: Service Learning; (3 credits)** Grade Method: REG.

0101	Judith Freidenberg Tu 3:30pm - 5:30pm Contact instructor or department for details.	Seats (Total: 15) WDS 1114

BSOS Behavioral and Social Sciences Fall 2012

BSOS248A **Leadership Seminar I: Topics in the Behavioral and Social Sciences; Leadership Seminar I Ambassadors**

Contact department for information to register for this course.

BSOS248D **Leadership Seminar I: Topics in the Behavioral and Social Sciences; Dean's Student Advisory Council**

Contact department for information to register for this course.

BSOS248P **Leadership Seminar I: Topics in the Behavioral and Social Sciences; Peer Mentors**

Contact department for information to register for this course.

BSOS258D **Leadership Practicum I: Topics in Behavioral and Social Sciences; Dean's Student Advisory Council**

Contact department for information to register for this course.

BSOS258P **Leadership Practicum I: Topics in Behavioral and Social Sciences; Peer Mentors**

Contact department for information to register for this course.

BSOS288C **Special Topics in Behavioral and Social Sciences; Center for American Politics and Citizenship Independent Study**

Contact department for information to register for this course.

BSOS288I **Special Topics in Behavioral and Social Sciences; Internship Practicum in the Social Sciences**

BSOS288I *(PermReq)* **Special Topics in Behavioral and Social Sciences: Internship Practicum in the Social Sciences; (1-3 credits)** Grade Method: REG/P-F/AUD.

0101	Kathryn Hopps	Seats (Total: 20)
	Contact instructor or department for details.	

BSOS288V **Special Topics in Behavioral and Social Sciences; Technology Apprentice Program**

BSOS288V *(PermReq)* **Special Topics in Behavioral and Social Sciences: Technology Apprentice Program; (3 credits)** Grade Method: REG/P-F/AUD. Restricted to BSOS students. Technical skills and pedagogical basics needed to support faculty uses of technology in the classroom. Web publishing, academic website development, creating/using digitized media, electronic presentation tools, and discussion group facilitation. The class will usually meet face-to-face for two and one-half hours per week; however, three or four times per semester, the class will meet online instead. Students will interact and be assessed on their participation in an online environment. For permission to enroll or more information, please contact margaret Weber at mweber@bsos.umd.edu.

0101	Deborah Mateik	Seats (Total: 8)
	F 10:00am - 12:30pm	Location: TBA

BSOS358A **Leadership Practicum II: Topics in the Behavioral and Social Sciences; Ambassadors**

Contact department for information to register for this course.

BSOS358P **Leadership Practicum II: Topics in the Behavioral and Social Sciences; Peer Mentors**
Contact department for information to register for this course.

BSOS386 **Experiential Learning**
Contact department for information to register for this course.

BSOS388A **Behavioral and Social Sciences Special Topics; Editorial Skills and Research Methods**

BSOS388A *(PermReq)* **Behavioral and Social Sciences Special Topics: Editorial Skills and Research Methods; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Suheil Bushrui	Seats (Total: 2)
	Contact instructor or department for details.	

BSOS388E **Behavioral and Social Sciences Special Topics; CIDCM Minor Practicum**

BSOS388E *(PermReq)* **Behavioral and Social Sciences Special Topics: CIDCM Minor Practicum; (1 credit)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BSOS388I **Behavioral and Social Sciences Special Topics; Social Science Internship Practicum**

BSOS388I *(PermReq)* **Behavioral and Social Sciences Special Topics: Social Science Internship Practicum; (1-3 credits)** Grade Method: REG/P-F/AUD.

0101	Kathryn Hopps	Seats (Total: 30)
	Contact instructor or department for details.	

BSOS388M **Behavioral and Social Sciences Special Topics; Social Science Independent Research**
Contact department for information to register for this course.

BSOS388Q **Behavioral and Social Sciences Special Topics; Cesar Directed Study**
Contact department for information to register for this course.

BSOS399A **Directed Study in Behavioral and Social Sciences; Introduction to Arab-Islamic Civilization**
Contact department for information to register for this course.

BSOS399B **Directed Study in Behavioral and Social Sciences; Directed Research in International Development**

Contact department for information to register for this course.

BSOS399K **Directed Study in Behavioral and Social Sciences; Directed Study in CAPC**

Contact department for information to register for this course.

BSOS399T **Directed Study in Behavioral and Social Sciences; Civicus Teaching Assistant**

BSOS399T Directed Study in Behavioral and Social Sciences: Civicus Teaching Assistant; (1-3 credits) Grade Method: REG/P-F/AUD.

0101	Instructor: TBA	Seats (Total: 12)
	Contact instructor or department for details.	

BSOS399Z **Directed Study in Behavioral and Social Sciences; The Role of Religion in Conflict and Resolution**

Contact department for information to register for this course.

BSOS448C **Teaching Assistantship Practicum; Civicus**

Contact department for information to register for this course.

BSOS448D **Teaching Assistantship Practicum; Deans Student Advisory Council**

Contact department for information to register for this course.

BSOS448I **Teaching Assistantship Practicum; BSOS**

Contact department for information to register for this course.

BSOS448T **Teaching Assistantship Practicum; University Teaching Assistants**

BSOS448T *(PermReq)* **Teaching Assistantship Practicum: University Teaching Assistants; (1 credit)** Grade Method: REG.

0101	TC Lloyd	Seats (Total: 20)
	Contact instructor or department for details.	

BSST Terrorism Studies Fall 2012

BSST230 **Terrorism and the Media**

BSST230 Terrorism and the Media; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - History and Social Sciences.
Restriction: Must be in the Freshmen Connection program. Credit only granted for: BSOS288T, BSST230, or BSST288T. Formerly: BSOS288T or BSST288T. Student will investigate the interplay between terrorism around the world and mass media content about terrorism. The course will focus both on how news and entertainment media portray terrorism and terrorists, and the effects of terrorism and media portrayal of terrorism on the public and public policy. This course examines terrorism from historical and contemporary perspectives, providing grounds for learning about and discussion of the interplay between terrorism and communication. An investigation of the interplay between terrorism around the world and and mass media content about terrorism. Focusing both on how news and entertainment media portray terrorism and terrorists, and the effects of terrorism and media portrayal of terrorism on the public and public policy. An examination of terrorism from historical and contemporary perspectives, providing grounds for learning about and discussion of the interplay between terrorism and communication.

FC01	Katherine Izsak	Seats (Total: 25)
	TuTh 3:30pm - 4:45pm	TYD 1101
	Restricted to students in Freshmen Connection.	

BSST330 **Terrorist Motivations and Behaviors**

BSST330 Terrorist Motivations and Behaviors; (3 credits) Grade Method: REG.
Restriction: Must be in the Global Terrorism minor; or Special permission available for students in other Global Studies minors. Credit only granted for: BSOS330 or BSST330. Formerly: BSOS330. Explores theories explaining the formation of terrorist groups and the motivations behind terrorist behavior, building upon theories from social psychology, sociology, political science, criminology, and history.

0101	David Maimon	Seats (Total: 45)
	Th 2:00pm - 4:45pm	SQH 1119

BSST332 **The Practice of Terrorism Studies**

BSST332 The Practice of Terrorism Studies; (5 credits) Grade Method: REG/P-F/AUD.

Prerequisite: BSST330 and BSST331. Restriction: Must be in the Terrorism Studies minor program. Credit only granted for: BSOS332 or BSST332. Formerly: BSOS332.

Capstone course for students in the Global Terrorism Minor. Explores in-depth rigorous approaches to conducting research on terrorism and to developing policy on terrorism and counterterrorism. Examines the interplay between terrorism research and counterterrorism policy. All students will participate in an internship or complete a substantive original research project alongside the courses weekly seminar meeting.

0101	Monte Hawkins Tu 5:30pm - 8:15pm Contact instructor or department for details.	Seats (Total: 35) ASY 3207

BSST338D **Special Topics in Terrorism Studies; Structural Analysis of Terrorism**

BSST338D Special Topics in Terrorism Studies: Structural Analysis of Terrorism; (3 credits) Grade Method: REG/P-F/AUD.

SG91	John Wigle Tu 6:30pm - 9:15pm	Seats (Total: 40) Location: TBA
	Registration is restricted to CCJS-Shady Grove majors. Permission is required for all other students to enroll in courses at Shady Grove. Please email ccjsusg@umd.edu for permission.	

BSST399A **Individual Study in Terrorism Studies; Emerging Global Security Issues, Part 1**

BSST399A *(PermReq)* **Individual Study in Terrorism Studies: Emerging Globla Security Issues, Part 1; (3 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BSST399L **Individual Study in Terrorism Studies; Homeland Security**

BSST399L Individual Study in Terrorism Studies: Homeland Security; (3 credits) Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BSST399T **Individual Study in Terrorism Studies; Teaching Terrorism**

BSST399T Individual Study in Terrorism Studies: Teaching Terrorism; (3 credits) Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BSST499A **Homeland Security; Homeland Security Practicum**

BSST499A *(PermReq)* **Homeland Security: Homeland Security Practicum; (1-3 credits)** Grade Method: REG/P-F/AUD.
Restricted to students in START's Career Development Program ONLY.

0101	Katherine Izsak	Seats (Total: 4)
	Contact instructor or department for details.	

BSST632 **Development of Counterterrorism Policies and Programs**

BSST632 *(PermReq)* **Development of Counterterrorism Policies and Programs; (3 credits)** Grade Method: REG/AUD.
Restriction: Must be in the Terrorism Analysis Graduate Certificate Program; or Permission of department. Credit only granted for: BSOS632 or BSST632. Formerly: BSOS632. Addresses the formulation, adoption, effectiveness, impacts, and afterlives of counterterrorism policies and programs. Admission to Terrorism Analysis Graduate Certificate Program required.

ST01	Fernando Reinares Nestares	Seats (Total: 30)
	Meets September 1, 2012 - November 21, 2012	
	Th 5:30pm - 8:30pm	ONLINE
	Class time/details on ELMs	ONLINE

BSST699T **Independent Study in Terrorism Studies; Teaching Terrorism**

BSST699T Independent Study in Terrorism Studies: Teaching Terrorism; (3 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BUAC Accounting and Information Assurance — Fall 2012

BUAC711 **Financial Planning and Control Systems for Managers and Consultants**

BUAC711 Financial Planning and Control Systems for Managers and Consultants; (2 credits) Grade Method: REG.
Prerequisite: BUSI611, BUSI681, and BUSI630; or permission of BMGT-Robert H. Smith School of Business. Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)). Credit only granted for: BMGT711 and BUAC711. Formerly: BMGT711. This course provides an analysis of several topics concerning financial planning/control systems (management accounting systems). Topics covered: design and use of cost management systems (including activity based costing systems), financial performance measures for enhancing firm value, managerial incentive contracts and accounting data, management accounting and Internet-based transactions, managing earnings and financial ratios, use of balanced scorecard to evaluate financial/nonfinancial managerial performance, management accounting systems and competitor analysis, behavioral aspects of budgeting, post-auditing of capital investments, accounting/economics aspects of information security, and transfer pricing.

BA01	Lawrence Gordon **Meets October 24, 2012 - December 13, 2012** M 6:25pm - 10:00pm	Seats (Total: 40) BA 103

BUAC743 **Financial Statement Analysis**

BUAC743 Financial Statement Analysis; (2 credits) Grade Method: REG.
Prerequisite: BUSI610. Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)) ; or permission of BMGT-Robert H. Smith School of Business. Provides students with the tools to conduct a financial statement analysis, which is part of an overall business analysis. This involves understanding and using the information that financial statements are communicating to users.

0101	Gary Bulmash **Meets August 27, 2012 - October 15, 2012** TuTh 8:30am - 10:20am	Seats (Total: 40) VMH 1505

GS01	Gary Bulmash	Seats (Total: 40)
	Meets October 24, 2012 - December 13, 2012	
	M 6:25pm - 10:00pm	BLD3 4202

BUAC758L **Special Topics in Accounting and Information Assurance; Intermediate Accounting I: MBA**

BUAC758L Special Topics in Accounting and Information Assurance: Intermediate Accounting I: MBA; (2 credits) Grade Method: REG.

BA01	Eduardo Martinez	Seats (Total: 40)
	Meets August 25, 2012 - October 13, 2012	
	Sa 8:40am - 12:50pm	BA 101
	Meets 8/25, 9/8, 9/15, 9/22, 9/29, 10/6, Final 10/13.	

BUAC758M **Special Topics in Accounting and Information Assurance; Intermediate Accounting II: MBA**

BUAC758M Special Topics in Accounting and Information Assurance: Intermediate Accounting II: MBA; (2 credits) Grade Method: REG.

BA01	Michael Finch	Seats (Total: 40)
	Meets October 20, 2012 - December 15, 2012	
	Sa 8:40am - 12:50pm	BA 101
	Meets 10/20, 10/27, 11/10, 11/17, 12/1, 12/8, Final 12/15.	

BUAC759 **Independent Study in Accounting and Information Assurance**

BUAC759 *(PermReq)* **Independent Study in Accounting and Information Assurance; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BUAC765 **Business Ethics for Accountants and Auditors**

BUAC765 *(PermReq)* **Business Ethics for Accountants and Auditors; (3 credits)** Grade Method: REG.

Restriction: Must be in Business and Management (Master's) program. Considers all facets of business ethics issues within an accounting and auditing context. Ethical theory, corporate social responsibility, and individual decision-making are considered. Some of the applied topics that may be covered in this course include, but are not limited to, intellectual property issues, corporate downsizing, outsourcing, global ethics, crises management, and employment ethics.

GS06	James Lager	Seats (Total: 0)
	Meets September 8, 2012 - November 10, 2012	
	Sa 1:15pm - 5:00pm	BLD2 2032
	For MS in Accounting students only. Meets 9/8, 9/15, 9/22, 9/29, 10/6, 10/13, 10/20, 10/27, 11/3, 11/10.	

BUAC780 **Financial Statement Analysis for Accountants and Auditors**

BUAC780 *(PermReq)* **Financial Statement Analysis for Accountants and Auditors; (3 credits)** Grade Method: REG.

Restriction: Must be in Business and Management (Master's) program. Provides a framework for using a firm's financial statements to perform a comprehensive analysis of the firm's operating performance, cash management, and financial position as well as to value the firm and to detect earning management. It includes an overview of the accounting and auditing standard setting framework, and the relevance of U.S. GAAP as well as International Financial Reporting Standards (IFRS) to accounting recognition, measurement, presentation, and disclosure. The course also identifies the analytical relevance of a selected set of more advanced accounting topics (e.g., valuing employee stock options).

0501	Nicholas Seybert	Seats (Total: 0)
	Meets August 27, 2012 - October 15, 2012	
	MW 3:30pm - 6:15pm	VMH 1330
	For MS in Accounting students only.	

0502	Nicholas Seybert **Meets August 27, 2012 - October 15, 2012** MW 7:00pm - 9:45pm *For MS in Accounting students only.*	Seats (Total: 0) VMH 1330
GS06	Nicholas Seybert **Meets August 25, 2012 - November 10, 2012** Sa 1:00pm - 4:25pm *Meets 8/25, 9/1, 9/8, 9/15, 9/22, 9/29, 10/6, 10/13, 10/20, 10/27, 11/3 Final 11/10. For MS in Accounting students only.*	Seats (Total: 0) BLD2 3032

BUAC782 **Advanced Managerial Accounting and Control Systems**

BUAC782 *(PermReq)* **Advanced Managerial Accounting and Control Systems; (3 credits)** Grade Method: REG.
Restriction: Must be in Business and Management (Master's) program. Focuses on topics that emphasize the role of managerial accounting in a firm's overall management planning and control structure. A key concern is to show how effective organizations ensure that the parts of the organization work together to create the whole, and how the sum of the parts, through synergy, can indeed be greater then the whole.

0501	Lei Zhou **Meets August 27, 2012 - October 15, 2012** MW 7:00pm - 9:45pm *For MS in Accounting students only.*	Seats (Total: 0) VMH 1528
0502	Lei Zhou **Meets October 24, 2012 - December 13, 2012** TuTh 3:30pm - 6:15pm *For MS in Accounting students only.*	Seats (Total: 0) VMH 1333

GS06	Peter McPhun **Meets August 25, 2012 - November 10, 2012** Sa 8:35am - 12:00pm *Meets 8/25, 9/1, 9/8, 9/15, 9/22, 9/29, 10/6, 10/13, 10/20, 10/27, 11/3 Final 11/10. For MS in Accounting students only.*	Seats (Total: 0) BLD2 3032

BUAC784 **Business Communications for Accountants and Auditors**

BUAC784 *(PermReq)* **Business Comunications for Accountants and Auditors; (2 credits)** Grade Method: REG.
Restriction: Must be in Business and Management (Master's) program. Focuses on the art of communication and its effects on people, organizations, and other stakeholders. The course will focus on two aspects of business communications: persuasion and effective presentations. The objective for the persuasion sessions is to have students improve upon their day-to-day oral business communications skills. This will be accomplished as participants learn to tailor each communication to the person or people with whom they are speaking.

0501	Jodell Johnson **Meets October 24, 2012 - December 13, 2012** MW 3:30pm - 5:20pm *For MS in Accounting students only.*	Seats (Total: 0) VMH 1412
0502	Jodell Johnson **Meets August 27, 2012 - October 15, 2012** MW 3:30pm - 5:20pm *For MS in Accounting students only.*	Seats (Total: 0) VMH 1412
GS06	Jodell Johnson **Meets November 17, 2012 - December 15, 2012** Sa 8:35am - 3:40pm *Meets 11/17, 12/1, 12/8, 12/15. For MS in Accounting students only.*	Seats (Total: 0) BLD2 3032

BUAC786 **Internal Auditing I: Conceptual and Institutional Framework**

BUAC786 *(PermReq)* **Internal Auditing I: Conceptual and Institutional Framework; (3 credits)** Grade Method: REG.
Restriction: Must be in Business and Management (Master's) program. Provides students with an overview and basic understanding of internal auditing. Internal audit's role in internal control, risk management, business processes and risks, and Sarbanes-Oxley, Section 404 compliance efforts compliance efforts are considered. Internal auditing is presented as an integral part of effective corporate governance. Examples of assurance and consulting activities undertaken by the internal audit function, as well as the sourcing strategy (i.e., full insourcing, co-sourcing or full outsourcing models) are discussed. Students ae introduced tointernal control theory, test design concepts and internal auditing bestpractices.

0501	Alan Siegfried, Elizabeth Folsom **Meets October 24, 2012 - December 13, 2012** MW 7:00pm - 9:45pm *For MS in Accounting students only.*	Seats (Total: 0) VMH 1528
0502	Alan Siegfried, Elizabeth Folsom **Meets October 24, 2012 - December 13, 2012** TuTh 7:00pm - 9:45pm *For MS in Accounting students only.*	Seats (Total: 0) VMH 1333

BUAC787 **Internal Auditing II: Internal Audit Application and Practice**

BUAC787 *(PermReq)* **Internal Auditing II: Internal Audit Application and Practice; (3 credits)** Grade Method: REG.
Prerequisite: BUAC786. Restriction: Must be in Business and Management (Master's) program. This advanced internal auditing course contains an in-depth coverage of the internal audit process. Students receive experience in planning and conducting internal audit assurance and consulting engagements. Also, students build on the theory and techniques introduced in Internal Auditing I, through practical, in-depth coverage of specific audit areas. Other matters covered include audit evidence, workpapers, audit sampling, and communicating of engagement results. Internal auditing case studies are used to reinforce the learning process.

GS06	Alan Siegfried, Elizabeth Folsom **Meets September 8, 2012 - November 10, 2012** Sa 8:30am - 12:15pm *For MS in Accounting students only. Meets 9/8, 9/15, 9/22, 9/29, 10/6, 10/13, 10/20, 10/27, 11/3, 11/10.*	Seats (Total: 0) BLD2 2032

BUAC788P **Action Learning Project; Action Learning Project**

BUAC788P *(PermReq)* **Action Learning Project: Action Learning Project; (1 credit)** Grade Method: REG.

GS06	Matthew Gagnon **Meets September 8, 2012 - December 1, 2012** Sa 5:00pm - 6:00pm *For MS in Accounting students only. Meets 9/8, 9/15, 9/22, 9/29, 10/6, 10/13, 10/20, 10/27, 11/3, 11/10, and meets 8:30am-3:15pm on 12/1.*	Seats (Total: 60) BLD2 2032
GS07	Lawrence Gordon **Meets September 8, 2012 - December 1, 2012** Sa 5:00pm - 6:00pm *For MS in Accounting students only. Meets 9/8, 9/15, 9/22, 9/29, 10/6, 10/13, 10/20, 10/27, 11/3, 11/10, and meets 8:30am-3:15pm on 12/1.*	Seats (Total: 60) Location: TBA

BUDT Decision and Information Technologies Fall 2012

BUDT703 **Business Process Analysis for Information Systems**

BUDT703 *(PermReq)* **Business Process Anaylsis for Information Systems; (2 credits)** Grade Method: REG.
Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)) ; or permission of BMGT-Robert H. Smith School of Business. Credit only granted for: BMGT703, BMGT725, or BUDT703. Formerly: BMGT703. Helps students gain a solid foundation in the concepts, processes, tools, and techniques needed in analyzing business processes and conducting information systems projects.

0501	Katherine Stewart **Meets October 24, 2012 - December 13, 2012** TuTh 3:10pm - 5:00pm *For MS in Information Systems students only.*	Seats (Total: 0) VMH 1520
0502	Katherine Stewart **Meets October 24, 2012 - December 13, 2012** MW 8:30am - 10:20am *For MS in Information Systems students only.*	Seats (Total: 0) VMH 1518

BUDT704 **Database Management Systems**

BUDT704 *(PermReq)* **Database Management Systems; (2 credits)** Grade Method: REG.
Corequisite: Concurrently enrolled in BUSI620. Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)). Credit only granted for: BMGT704, BMGT721, or BUDT704. Formerly: BMGT704. Introduction to the conceptual and logical design of relational database systems and their use in business environments. Topics include information modeling and optimization via normalization; Structured Query Language (SQL); Client/Server architectures; Concurrency & Recovery; Data Warehousing.

0501	Peter Weiss **Meets August 27, 2012 - October 15, 2012** TuTh 8:30am - 10:20am *For MS in Information Systems students only.*	Seats (Total: 0) VMH 1511
0502	Peter Weiss **Meets August 27, 2012 - October 15, 2012** TuTh 3:30pm - 5:20pm *For MS in Information Systems students only.*	Seats (Total: 0) VMH 1333

BUDT705 **Data Networks and Infrastructures**

BUDT705 Data Networks and Infrastructures; (2 credits) Grade Method: REG. *Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)). Credit only granted for: BMGT705, BMGT726, or BUDT705. Formerly: BMGT705.* Technical and mangerial aspects of business data communications, networking, and telecommunications with a particular emphasis on internet-based technologies and services. Content includes history and structure of the telecommunications industry, including key legislative, regulatory and legal milestones, and management of the technical and functional components of telecommunications and data communications technology.

0501	Donald Riley **Meets October 24, 2012 - December 13, 2012** MW 8:30am - 10:20am *For MS in Information Systems students only.*	Seats (Total: 0) VMH 1505
0502	Donald Riley **Meets October 24, 2012 - December 13, 2012** MW 3:10pm - 5:00pm *For MS in Information Systems students only.*	Seats (Total: 0) VMH 1505

BUDT732 **Decision Modeling with Spreadsheets**

BUDT732 Decision Modeling with Spreadsheets; (2 credits) Grade Method: REG. *Prerequisite: BUSI630. Credit only granted for: BMGT732 or BUDT732. Formerly: BMGT732.* Analytical modeling for managerial decisions using a spreadsheet environment. Includes linear and nonlinear optimization models, decision making under uncertainty and simulation models.

DC06	Pamela Armstrong **Meets October 20, 2012 - December 15, 2012** Sa 8:40am - 12:50pm *Meets 10/20, 10/27, 11/10, 11/17, 12/1, 12/8, Final 12/15.*	Seats (Total: 40) DC C2

BUDT733 **Data Mining for Business**

BUDT733 *(PermReq)* **Data Mining for Business; (2 credits)** Grade Method: REG. *Prerequisite: BUSI630. Credit only granted for: BMGT733 or BUDT733. Formerly: BMGT733.* Data mining techniques and their use in business decision making. A hands-on course that provides an understanding of the key methods of data visualization, exploration, classification, prediction, time series forecasting, and clustering.

0501	Margret Bjarnadottir **Meets October 24, 2012 - December 13, 2012** TuTh 10:30am - 12:20pm *For MS in Information Systems students only.*	Seats (Total: 0) VMH 1520
0502	Kislaya Prasad **Meets October 24, 2012 - December 13, 2012** MW 5:15pm - 7:05pm *For MS in Information Systems students only.*	Seats (Total: 0) VMH 1330

BUDT758G **Special Topics in Decision, Operations and Information Technologies; Global Delivery of IT and Service Innovations**

BUDT758G *(PermReq)* **Special Topics in Decision, Operations and Information Technologies: Global Delivery of IT and Service Innovations; (2 credits)** Grade Method: REG.

0501	David McCue **Meets October 24, 2012 - December 13, 2012** Th 6:00pm - 9:35pm *For MS in Supply Chain Management students only.*	Seats (Total: 0) VMH 1336
0502	David McCue **Meets October 24, 2012 - December 13, 2012** Tu 6:00pm - 9:35pm *For MS in Supply Chain Management students only.*	Seats (Total: 0) VMH 1336

BUDT758J **Special Topics in Decision, Operations and Information Technologies; Management of Information Systems**

BUDT758J *(PermReq)* **Special Topics in Decision, Operations and Information Technologies: Management of Information Systems; (2 credits)** Grade Method: REG.
Click here for more course information.

0501	Barnet Corwin	Seats (Total: 40)
	Meets October 24, 2012 - December 13, 2012	
	MW 10:30am - 12:20pm	VMH 1520
	For MS in Information Systems students only.	

BUDT759 **Independent Study in Decision and Information Technologies**

BUDT759 *(PermReq)* **Independent Study in Decision and Information Technologies; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BUDT775 **Pricing and Revenue Management**

BUDT775 Pricing and Revenue Management; (2 credits) Grade Method: REG. *Prerequisite: BUSI630. Restriction: Must be in a major in BMGT-Robert H. Smith School of Business; or permission of BMGT-Robert H. Smith School of Business. Credit only granted for: BUDT758D or BUDT775. Formerly: BUDT758D.* Specialized course on pricing and revenue management (PRM) that provides students with tools and principles, drawn from several disciplines (Operations, Microeconomics, Decision Modeling, Statistics, Marketing, IS) to make effective pricing decisions. Topics covered include economics of pricing, strategy and tactics of PRM, pricing optimization, differentiated pricing, dynamic pricing, mark-down pricing, legal and ethical issues in models/methods used in making effective PRM decisions and managerial or organizational factors that hold the key to success in execution of PRM.

DC01	Michael Ball	Seats (Total: 40)
	Meets October 24, 2012 - December 13, 2012	
	Th 6:25pm - 10:00pm	DC C2
	The Final will be held on Tuesday, December 18.	

BUFN Finance Fall 2012

BUFN738 **Investment Fund Management**
Contact department for information to register for this course.

BUFN740 **Capital Markets**

BUFN740 Capital Markets; (2 credits) Grade Method: REG.
Prerequisite: BUSI640. Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)).
Designed to deepen the foundations necessary to finance focused students, especially those intending to specialize in the quantitative areas of finance including investments, fixed income, and financial engineering.

0501	Yajun Wang **Meets August 27, 2012 - October 15, 2012** TuTh 8:30am - 10:20am *For MS in Finance students only.*	Seats (Total: 0) VMH 1528
0502	Yajun Wang **Meets August 27, 2012 - October 15, 2012** MW 10:30am - 12:20pm *For MS in Finance Students only.*	Seats (Total: 0) VMH 1518
BA01	Gurdip Bakshi **Meets August 27, 2012 - October 15, 2012** M 6:25pm - 10:00pm	Seats (Total: 40) BA 103
DC01	Michael Padhi **Meets August 27, 2012 - October 15, 2012** M 6:25pm - 10:00pm	Seats (Total: 40) DC C6
DC06	Michael Padhi **Meets October 20, 2012 - December 15, 2012** Sa 8:40am - 12:50pm *Meets 10/20, 10/27, 11/10, 11/17, 12/1, 12/8, Final 12/15.*	Seats (Total: 40) DC C4

DC51	Yajun Wang **Meets August 27, 2012 - October 15, 2012** Th 2:00pm - 5:25pm *For MS in Finance students only.*	Seats (Total: 0) DC C1
DC52	Yajun Wang **Meets August 27, 2012 - October 15, 2012** Tu 2:00pm - 5:35pm *For MS in Finance students only.*	Seats (Total: 0) DC C2

BUFN750 **Valuation in Corporate Finance**

BUFN750 Valuation in Corporate Finance; (2 credits) Grade Method: REG. *Prerequisite: BUSI640. Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)). Credit only granted for: BUFN714 or BUFN750. Formerly: BUFN714.* An advanced topics course in Corporate Finance dealing with valuation. Main topics will be, building pro forma statements, cost of capital, using ratios and comparables to value projects and firms, dicounted cash flow valuations, WACC and APV methods of valuation and Real Option Valuations.

0501	Laurent Fresard **Meets October 24, 2012 - December 13, 2012** TuTh 8:30am - 10:20am *For MS in Finance students only.*	Seats (Total: 0) VMH 1511
0502	Laurent Fresard **Meets October 24, 2012 - December 13, 2012** MW 10:30am - 12:20pm *For MS in Finance Students only.*	Seats (Total: 0) VMH 1528
BA01	Bharat Jain **Meets October 24, 2012 - December 13, 2012** W 6:25pm - 10:00pm	Seats (Total: 40) BA 103

DC01	Bharat Jain **Meets August 27, 2012 - October 15, 2012** W 6:25pm - 10:00pm	Seats (Total: 40) DC C6
DC51	Laurent Fresard **Meets October 24, 2012 - December 13, 2012** Th 2:00pm - 5:35pm *For MS in Finance students only. The Final will be held on Tuesday, De ember 18.*	Seats (Total: 0) DC C1
DC52	Laurent Fresard **Meets October 24, 2012 - December 13, 2012** Tu 2:00pm - 5:35pm *For MS in Finance students only.*	Seats (Total: 0) DC C1
GS01	Laurent Fresard **Meets October 24, 2012 - December 13, 2012** W 6:25pm - 10:00pm	Seats (Total: 40) BLD2 3032

BUFN752 **Financial Restructuring**

BUFN752 Financial Restructuring; (2 credits) Grade Method: REG. *Prerequisite: BUSI640. Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)). Credit only granted for: BUFN716 or BUFN752. Formerly: BUFN716.* Focuses on identifying ways to increase firm value through corporate restructuring. Specific topics include: mergers and tender offers, spin-offs, carve-outs, divestitures, takeover defense strategies, leveraged buy-outs, and international acquisitions. Additionally, the theory, practice and empirical evidence related to each of these topics will be covered. Emphasis will be placed on valuation analysis and strategic considerations.

0501	Richmond Mathews **Meets August 27, 2012 - October 15, 2012** TuTh 1:00pm - 2:50pm *For MS in Finance students only.*	Seats (Total: 38) VMH 1518

DC51	Richmond Mathews **Meets August 27, 2012 - October 15, 2012** M 2:00pm - 5:35pm *For MS in Finance students only.*	Seats (Total: 45) DC C1

BUFN754 **Corporate Risk Management**

BUFN754 Corporate Risk Management; (2 credits) Grade Method: REG. *Prerequisite: BUSI640. Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)).* Surveys the theory and practice of financial risk identification, measurement, and mitigation at financial and non-financial firms. Topics will include hedging with options and futures, interest rate risk management, Value-at-Risk (VaR), Cashflow-at-Risk (CaR), Earnings-at-Risk (EaR), credit risk, equity risk, commodities risk, exchange rate risk, and lessons from risk management disasters.

0101	Clifford Rossi **Meets August 27, 2012 - October 15, 2012** MW 8:30am - 10:20am	Seats (Total: 38) VMH 1518
BA01	Clifford Rossi **Meets August 27, 2012 - October 15, 2012** Th 6:25pm - 10:00pm	Seats (Total: 40) BA 102

BUFN755 **Entrepreneurial Finance and Private Equity**

BUFN755 Entrepreneurial Finance and Private Equity; (2 credits) Grade Method: REG.

Prerequisite: BUSI640. Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)). Credit only granted for: BUSI647 or BUFN755. Formerly: BUSI647. An advanced topics course in Corporate Finance. The major emphasis is how financiers help growing firms - and in particular young start-ups - using different types of securities at different points in the industry's and firm's life. Financing arrangements and securities studied will include private equity funds and private financings placements, Venture Capital (VC) and preferred equity, Investment Banks through Initial Public Offerings (IPOs), Private equity finds, debt and leveraged buyouts. Students will learn additional techniques that will help them understand how financiers value firms and how to understand, plan and value different financing strategies.

DC01	Zane Williams **Meets August 27, 2012 - October 15, 2012** Tu 6:25pm - 10:00pm	Seats (Total: 42) DC C2
DC51	James Campbell **Meets August 27, 2012 - October 15, 2012** W 2:00pm - 5:35pm *For MS in Finance students only*	Seats (Total: 45) DC C3

BUFN758F **Special Topics in Finance; Financial Markets, Politics and Policy A Current Perspective**

BUFN758F Special Topics in Finance: Financial Markets, Politics and Policy A Current Perspective; (1 credit) Grade Method: REG.

DC06	William Longbrake **Meets October 6, 2012 - December 1, 2012** Sa 9:30am - 12:00pm *Meets 10/6, 10/20, 10/27, 11/10, 12/1.*	Seats (Total: 40) Location: TBA

BUFN758M **Special Topics in Finance; Hedge Fund Management**

BUFN758M Special Topics in Finance: Hedge Fund Management; (2 credits)
Grade Method: REG.

0101	Kenneth Brodkowitz **Meets August 27, 2012 - October 15, 2012** TuTh 3:10pm - 5:00pm	Seats (Total: 38) VMH 1518

BUFN759 **Independent Study in Finance**

BUFN759 *(PermReq)* **Independent Study in Finance; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BUFN760 **Applied Equity Analysis**

BUFN760 Applied Equity Analysis; (2 credits) Grade Method: REG. *Prerequisite: BUSI640. Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)). Credit only granted for: BUFN702 or BUFN760. Formerly: BUFN702.* Students will learn to analyze equity securities using the basic EIC (Economy/Industry/Company) framework used in the financial industry, paying special attention to financial statement analysis. Students also will learn the primary valuation techniques used to estimate market values for equity securities.

0101	Sarah Kroncke **Meets October 24, 2012 - December 13, 2012** TuTh 1:00pm - 2:50pm	Seats (Total: 38) VMH 1518
0501	Joseph Perfetti **Meets October 24, 2012 - December 13, 2012** MW 8:30am - 10:20am *For MS in Finance students only.*	Seats (Total: 40) VMH 1520

DC01	Joseph Perfetti **Meets October 23, 2012 - December 13, 2012** M 6:25pm - 10:00pm	Seats (Total: 43) DC C3
DC51	Sarah Kroncke **Meets August 27, 2012 - October 15, 2012** M 2:00pm - 5:35pm *For MS in Finance students only.*	Seats (Total: 48) DC C2

BUFN761 **Derivative Securities**

BUFN761 *(PermReq)* **Derivative Securities; (2 credits)** Grade Method: REG. *Prerequisite: BUFN740. Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)). Credit only granted for: BUFN726 or BUFN761. Formerly: BUFN726.* Standard types of derivatives contracts are presented, and illustrated as to how they are used in practice. The theory of pricing these contracts is then presented in detail. The use of static and dynamic replication strategies, and the concept of no-arbitrage strategies is illustrated in numerous ways. Standard valuation techniques are covered, and standard formulas are presented. The theory is then applied to develop specific pricing and hedging strategies for various types of derivatives on different underlying assets. The management of the exposure of various risks is covered in detail as well.

0501	Clifford Rossi **Meets October 24, 2012 - December 13, 2012** MW 8:30am - 10:20am *For MS in Finance students only.*	Seats (Total: 0) VMH 1511
0502	Stewart Mayhew **Meets October 24, 2012 - December 13, 2012** M 5:00pm - 8:30pm *For MS in Finance Students only.*	Seats (Total: 0) VMH 1411

DC51	Dilip Madan **Meets October 24, 2012 - December 13, 2012** M 2:00pm - 5:35pm *For MS in Finance students only.*	Seats (Total: 0) DC C2
DC52	Clifford Rossi **Meets October 24, 2012 - December 13, 2012** Th 9:25am - 1:00pm *For MS in Finance students only. The Final will be held on Tuesday, De ember 18.*	Seats (Total: 0) DC C2

BUFN762 **Fixed Income Analysis**

BUFN762 Fixed Income Analysis; (2 credits) Grade Method: REG. *Prerequisite: BUFN740. Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)). Credit only granted for: BUFN731 or BUFN762. Formerly: BUFN731.* Describes important financial instruments which have market values that are sensitive to interest rate movements. Develops tools to analyze interest rate sensitivity and value fixed income securities. Defines and explains the vocabulary of the bond management business.

0502	Mark Taranto **Meets October 24, 2012 - December 13, 2012** MW 1:00pm - 2:50pm *For MS in Finance students only.*	Seats (Total: 45) VMH 1528
DC51	Haluk Unal **Meets October 23, 2012 - December 13, 2012** Tu 9:25am - 1:00pm *For MS in Finance students only.*	Seats (Total: 45) DC C2
DC52	Haluk Unal **Meets October 23, 2012 - December 13, 2012** Tu 2:00pm - 5:35pm *For MS in Finance students only.*	Seats (Total: 45) DC C2

GS01	Haluk Unal **Meets August 27, 2012 - October 15, 2012** W 6:25pm - 10:00pm	Seats (Total: 40) BLD2 3032

BUFN763 **Portfolio Management**

BUFN763 Portfolio Management; (2 credits) Grade Method: REG.
Prerequisite: BUFN740. Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)). Credit only granted for: BUFN700 or BUFN763. Formerly: BUFN700. Provides training that is important in understanding the investment process - the buy side of the financial world. Specifically, the objective is to provide graduate-level instruction in the following topics, both in theory and in using financial markets data to test the basic theory and practice of portfolio choice and equilibrium pricing models and their implications for efficient portfolios.

0101	Michael Lee **Meets October 24, 2012 - December 13, 2012** MW 10:30am - 12:20pm	Seats (Total: 20) VMH 2509
BA01	Kenneth Fuller **Meets October 23, 2012 - December 13, 2012** Tu 6:25pm - 10:00pm	Seats (Total: 40) BA 103

BUFN765 **Fixed Income Derivatives**

BUFN765 Fixed Income Derivatives; (2 credits) Grade Method: REG.
Prerequisite: BUFN762. Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)). Credit only granted for: BUFN731 or BUFN765. Formerly: BUFN731. Surveys fixed income assets and related securities such as Exchange-traded bond options; bonds with embedded options; floating rate notes; caps, collars, and floors; floating rate notes with embedded options. Also surveys advanced tools for interest-rate and fixed-income portfolio management, including the use of derivative securities, and the application of binomial trees for analysis of options, and a sound understanding of stochastic yield curves.

DC01	Mark Taranto **Meets October 23, 2012 - December 13, 2012** Tu 6:25pm - 10:00pm	Seats (Total: 40) DC C4
DC51	Mark Taranto **Meets October 23, 2012 - December 13, 2012** Th 2:00pm - 5:35pm *For MS in Finance students only. The Final will be held on Tuesday, December 18th.*	Seats (Total: 45) DC C2

BUFN766 **Financial Engineering**

BUFN766 Financial Engineering; (2 credits) Grade Method: REG. *Prerequisite: BUFN740. Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)). Credit only granted for: BUFN735 or BUFN766. Formerly: BUFN735.* Develop Excel and Visual Basic (VBA) models to solve problems related to portfolio management, options valuation, fixed income securities, interest rate processes, and risk management. This course thus bridges theory with the design of algorithms and models that can be directly applied in practice.

0501	Mark Taranto **Meets August 27, 2012 - October 15, 2012** MW 8:30am - 10:20am *For MS in Finance students only.*	Seats (Total: 38) VMH 1520
DC51	Mark Taranto **Meets August 27, 2012 - October 15, 2012** Th 2:00pm - 5:35pm *For MS Finance students only.*	Seats (Total: 48) DC C2

BUFN770 **International Investment**

BUFN770 International Investment; (2 credits) Grade Method: REG.
Prerequisite: BUSI640. Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)). Credit only granted for: BUFN724 or (BUFN770 and BUFN771). Formerly: BUFN724.
Addresses international stock markets, portfolio theory, international interest rates, exchange rates and exchange rate derivatives (options, forwards, and futures), exchange rate swaps and exchange rate exposure (operating, translation, and transaction), foreign investment strategey.

0501	Steven Heston **Meets August 27, 2012 - October 15, 2012** TuTh 8:30am - 10:20am *For MS in Finance students only.*	Seats (Total: 40) VMH 1520
DC01	Steven Heston **Meets August 27, 2012 - October 15, 2012** Th 6:25pm - 10:00pm	Seats (Total: 40) DC C2
DC51	Steven Heston **Meets August 27, 2012 - October 15, 2012** W 2:00pm - 5:35pm *For MS in Finance students only.*	Seats (Total: 45) DC C2

BUFN771 **International Corporate and Project Finance**

BUFN771 International Corporate and Project Finance; (2 credits) Grade Method: REG.
Prerequisite: BUFN770. Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)). Credit only granted for: BUFN724 or (BUFN770 and BUFN771). Formerly: BUFN724.
Continuation of BUFN770. Issues addressed will include captial budgeting, project financing, exhange rate exposure (operating, translation, and transaction), foreign investment strategy, and risk management.

DC06	John Garrity **Meets August 25, 2012 - October 13, 2012** Sa 8:40am - 12:50pm *Meets 8/25, 9/1, 9/8, 9/22, 9/29, 10/6, Final 10/13.*	Seats (Total: 40) DC C6
DC51	Steven Heston **Meets October 24, 2012 - December 13, 2012** W 2:00pm - 5:35pm *For MS in Finance students only.*	Seats (Total: 45) DC C2

BUFN772 **Bank Management**

BUFN772 Bank Management; (2 credits) Grade Method: REG.
Prerequisite: BUSI640. Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)). Credit only granted for: BUFN722 or BUFN772. Formerly: BUFN722. Analyze and discuss readings in bank management,with primary focus on the measurement and management of risk, including credit, market, and interest rate risk. Look at the management of liquid reserves. Examine the special nature of financial institutions, incorporating their functions, policies, services, and regulation. Study the evolving nature of the financial services industry, by reading the financial press and by having outside practitioner speakers. Focus is on U.S. banks.

DC01	Joseph Colantuoni **Meets October 24, 2012 - December 13, 2012** W 6:25pm - 10:00pm	Seats (Total: 40) DC C4
DC51	Elinda Kiss **Meets October 24, 2012 - December 13, 2012** W 2:00pm - 5:35pm *For MS in Finance students only.*	Seats (Total: 45) DC C1

BUFN773 **Institutional Asset Management**

BUFN773 Institutional Asset Management; (2 credits) Grade Method: REG. *Prerequisite: BUSI640. Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)).* Examines how money is managed by organizations such as university endowments, pension funds, mutual funds, hedge funds, and private equity funds. Involves a mixture of finance and economics and emphasizes the incentives professional money managers face within the context of the organizational structure in which they operate. Particular attention is paid to compensation structures and monitoring mechanisms.

0501	Anna Obizhaeva **Meets August 27, 2012 - October 15, 2012** TuTh 3:10pm - 5:00pm *For MS in Finance students only.*	Seats (Total: 40) VMH 1520
DC01	Anna Obizhaeva **Meets October 23, 2012 - December 13, 2012** Th 6:25pm - 10:00pm *The Final will be held on Tuesday, December 18.*	Seats (Total: 40) DC C3
DC51	Anna Obizhaeva **Meets October 23, 2012 - December 13, 2012** M 2:00pm - 5:35pm *For MS in Finance students only.*	Seats (Total: 45) DC C1

BULM Logistics, Business, and Public Policy — Fall 2012

BULM730 Transportation Management

BULM730 *(PermReq)* **Transportation Management; (3 credits)** Grade Method: REG.
Credit only granted for: BMGT770 or BULM730. Formerly: BMGT770. A study of the fundamental differences among the various transportation modes in terms of their basic cost structures, market competition, and service characteristics. The wide range of issues facing managers in each of the transportation modes including decisions on market entry, pricing, competitive responses, service levels, capital structure, and growth objectives in a deregulated environment. The decisions of transportation managers in other countries are presented for international comparisons.

0501	Thomas Corsi	Seats (Total: 0)
	Meets August 27, 2012 - December 13, 2012	
	W 6:00pm - 8:30pm	VMH 1212
	For MS in Supply Chain Management students only.	

BULM733 **Global Trade Logistics**

BULM733 *(PermReq)* **Global Trade Logistics; (2 credits)** Grade Method: REG.
Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)) ; or permission of BMGT-Robert H. Smith School of Business. Credit only granted for: BMGT773 or BULM733. Formerly: BMGT773. Acquaints students with managerial issues in international logistics and transportation, and provides students with an understanding of issues related to import/export management and the global marketplace.

0501	Gary Cohen	Seats (Total: 0)
	Meets August 27, 2012 - October 15, 2012	
	TuTh 1:00pm - 2:50pm	VMH 1520
	For MS in Supply Chaine Management students only.	
0502	Gary Cohen	Seats (Total: 0)
	Meets August 27, 2012 - October 15, 2012	
	TuTh 3:30pm - 5:20pm	VMH 1336
	For MS in Supply Chain Management students only.	

BULM742 **Global Supply Chain Resources Planning**

BULM742 Global Supply Chain Resources Planning; (2 credits) Grade Method: REG.

Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)) ; or permission of BMGT-Robert H. Smith School of Business. Provides students with an overall understanding of how firms use an advanced supply chain planning (ASCP) application as an integral part of their materials management process which includes such activities as production planning, materials requirements planning, and distribution requirements planning.

0501	Philip Evers **Meets October 24, 2012 - December 14, 2012** F 9:00am - 12:35pm *For MS in Supply Chain Management students only.*	Seats (Total: 0) VMH 1528
0502	Philip Evers **Meets October 24, 2012 - December 14, 2012** F 1:35pm - 5:10pm *For MS in Supply Chain Management students only.*	Seats (Total: 0) VMH 1528
GS01	Thomas Corsi, Philip Evers **Meets September 8, 2012 - October 6, 2012** Sa 8:30am - 5:50pm *Meets 9/8, 9/22, 10/6.*	Seats (Total: 24) BLD3 2230

BULM758M **Special Topics in Logistics, Business and Public Policy; Emerging Economies, Government Policies, and International Trade**

BULM758M Special Topics in Logistics, Business and Public Policy: Emerging Economies, Government Policies, and International Trade; (2 credits) Grade Method: REG.

Click here for more course information.

GS01	Bennet Zelner **Meets October 24, 2012 - December 13, 2012** Th 6:25pm - 10:00pm *The Final will be held on Tuesday, December 18.*	Seats (Total: 40) BLD2 3032

BULM759 **Independent Study in Logistics Management**

BULM759 *(PermReq)* **Independent Study in Logistics Management; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BUMK Marketing Fall 2012

BUMK701 **Marketing Research Methods**

BUMK701 Marketing Research Methods; (2 credits) Grade Method: REG. *Prerequisite: BUSI650 and BUSI630. Credit only granted for: BMGT752 or BUMK701. Formerly: BMGT752.* The process of acquiring, classifying and interpreting primary and secondary marketing data needed for intelligent, profitable marketing decisions. Evaluation of the appropriateness of alternative methodologies, such as the inductive, deductive, survey, observational, and experimental. Recent developments in the systematic recording and use of internal and external data needed for marketing decisions.

0101	Joydeep Srivastava **Meets October 24, 2012 - December 13, 2012** MW 10:30am - 12:20pm	Seats (Total: 38) VMH 1518
BA01	Joydeep Srivastava **Meets October 24, 2012 - December 13, 2012** M 6:25pm - 10:00pm	Seats (Total: 40) BA 102
DC01	David Ashley **Meets August 27, 2012 - October 15, 2012** Th 6:25pm - 10:00pm	Seats (Total: 40) DC C4

BUMK706 **Marketing Analysis**

BUMK706 Marketing Analysis; (2 credits) Grade Method: REG.
Prerequisite: BUSI650. Introduction to modeling tools used to support marketing analysis and decision making. Applications in strategic marketing, marketing segmentation, new product development, sales promotion analysis, pricing, design of marketing mix, sales force allocation, and direct marketing. Spreadsheet driven cases and illustrative readings.

0101	Michel Wedel **Meets October 24, 2012 - December 13, 2012** MW 3:10pm - 5:00pm	Seats (Total: 40) VMH 1520
DC01	Michel Wedel **Meets October 24, 2012 - December 13, 2012** W 6:25pm - 10:00pm	Seats (Total: 40) DC C6
GS01	Pallassana Kannan **Meets October 20, 2012 - December 15, 2012** Sa 9:00am - 2:00pm *Meets 10/20, 10/27, 11/10, 11/17, 12/1, 12/8, Final 12/15.*	Seats (Total: 40) BLD3 3241

BUMK715 **Consumer Behavior**

BUMK715 Consumer Behavior; (2 credits) Grade Method: REG.
Prerequisite: BUSI650. Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)). Credit only granted for: BMGT754 or BUMK715. Formerly: BMGT754. Analysis of customer decision-making and how marketing strategy can be used to influence those decisions. The framework is a buyer behavior model, in which concepts from psychology, sociology, and economics are applied to individual and organizational purchase decisions. Marketing strategies of leading firms in consumer products, technology, and services (including internet services) are analyzed using a variety of case study formats. Focus is consumer behavior; however, principles can also be applied to the decision-making of business.

DC06	Rosellina Ferraro **Meets August 25, 2012 - October 13, 2012** Sa 1:40pm - 5:50pm *Meets 8/25, 9/1, 9/8, 9/22, 9/29, 10/6, Final 10/13.*	Seats (Total: 40) DC C4

BUMK716 **Brand Management**

BUMK716 Brand Management; (2 credits) Grade Method: REG.
Prerequisite: BUSI650. Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)) ; or permission of BMGT-Robert H. Smith School of Business. Brand names are valuable assets for firms. Effective brand management is critical to maintaining the long-term profitability of products and services. Topics include understanding brands from the customer's perspective, building brand equity, measuring brand equity, leveraging brand equity, managing brand portfolios and managing brands over time.

0101	Rebecca Hamilton **Meets October 24, 2012 - December 13, 2012** TuTh 10:30am - 12:20pm	Seats (Total: 38) VMH 1518
BA01	Rebecca Hamilton **Meets October 24, 2012 - December 13, 2012** Th 6:25pm - 10:00pm *The final will be held on Tuesday, Dec 18.*	Seats (Total: 40) BA 101
DC01	Rebecca Hamilton **Meets October 23, 2012 - December 13, 2012** Tu 6:25pm - 10:00pm	Seats (Total: 40) DC C2

BUMK717 **Integrated Marketing Communications**

BUMK717 Integrated Marketing Communications; (2 credits) Grade Method: REG. *Prerequisite: BUSI650. Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)) ; or permission of BMGT-Robert H. Smith School of Business.* Marketing communications are a complex but critical component of marketing strategy. Topics include communication tools: advertising, sales promotions, corporation communications, one-on-one or direct marketing, public relations, internet communications, sponsorship/events marketing, and marketing communcation plans: defining objectives, implementing the plan, and measuring communications effectiveness. Achieving integration in the content, look, and feel of all marketing communications is stressed.

0101	Rosellina Ferraro **Meets October 24, 2012 - December 13, 2012** TuTh 3:10pm - 5:00pm	Seats (Total: 38) VMH 1518
BA01	Rosellina Ferraro **Meets August 27, 2012 - October 15, 2012** Tu 6:25pm - 10:00pm	Seats (Total: 40) BA 101
DC06	Jeremy Brown **Meets October 20, 2012 - December 15, 2012** Sa 1:40pm - 5:50pm *Meets 10/20, 10/27, 11/10, 11/17, 12/1, 12/8, Final 12/15.*	Seats (Total: 40) DC C3
GS01	Rosellina Ferraro **Meets October 24, 2012 - December 13, 2012** M 6:25pm - 10:00pm	Seats (Total: 40) BLD2 3032

BUMK736 **Service Marketing and Management**
Contact department for information to register for this course.

BUMK753 **Global Marketing**

BUMK753 Global Marketing; (2 credits) Grade Method: REG.
Prerequisite: BUSI650. Credit only granted for: BMGT753 or BUMK753. Formerly: BMGT753. The environmental, organizational, and financial aspects of global marketing are covered. It also describes the special marketing research, pricing, channels of distribution, product policy, and communication issues which face U.S. firms doing business in global markets.

DC01	M Fardanesh **Meets October 23, 2012 - December 13, 2012** M 6:25pm - 10:00pm	Seats (Total: 40) DC C6

BUMK757 **Marketing Strategy**

BUMK757 Marketing Strategy; (2 credits) Grade Method: REG.
Prerequisite: BUSI650. Credit only granted for: BMGT757 or BUMK757. Formerly: BMGT757. A capstone marketing course. Marketing strategies designed to manage products in selected market segments. Topics covered include competitor analysis, buyer analysis, market segments, and product strengths and weaknesses; product related issues are identified and marketing strategies developed, assessed and implemented.

DC01	Henry Boyd **Meets August 27, 2012 - October 15, 2012** W 6:25pm - 10:00pm	Seats (Total: 40) DC C4
GS01	Henry Boyd **Meets August 27, 2012 - October 15, 2012** M 6:25pm - 10:00pm	Seats (Total: 40) BLD2 3032

BUMK758J **Special Topics in Marketing; Pricing Strategies for Sustainable Competitive Advantage**

BUMK758J Special Topics in Marketing: Pricing Strategies for Sustainable Competitive Advantage; (2 credits) Grade Method: REG.

0101	Pallassana Kannan **Meets August 27, 2012 - October 15, 2012** TuTh 1:00pm - 2:50pm	Seats (Total: 40) VMH 1505
BA01	Pallassana Kannan **Meets August 27, 2012 - October 15, 2012** W 6:25pm - 10:00pm	Seats (Total: 40) BA 101

BUMK758R **Special Topics in Marketing; Public Relations for Business Leaders**

BUMK758R Special Topics in Marketing: Public Relations for Business Leaders; (2 credits) Grade Method: REG.
Please click here for further information

0101	Kenneth White **Meets October 24, 2012 - December 13, 2012** MW 1:00pm - 2:50pm	Seats (Total: 25) VMH 1520

BUMK758V **Special Topics in Marketing; Marketing for Social Value**

BUMK758V Special Topics in Marketing: Marketing for Social Value; (2 credits) Grade Method: REG.

0101	Rebecca Ratner **Meets August 27, 2012 - October 15, 2012** TuTh 10:30am - 12:20pm	Seats (Total: 38) VMH 1518
DC01	Rebecca Ratner **Meets August 27, 2012 - October 15, 2012** Tu 6:25pm - 10:00pm	Seats (Total: 40) DC C5

BUMK759 **Independent Study in Marketing**

BUMK759 *(PermReq)* **Independent Study in Marketing; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BUMO Management and Organization Fall 2012

BUMO712 **Leadership Development**

BUMO712 Leadership Development; (3 credits) Grade Method: REG.
Prerequisite: BUSI664. Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)). Focuses on developing skills to inspire, influence and organize others to accomplish key goals. Building on leadership theories, course includes assessment & role-playing activities, discussions, cases, and exercises to assess and develop personal capabilities.

DC01	Karen Wouters	Seats (Total: 40)
	Meets August 27, 2012 - December 13, 2012	
	W 6:30pm - 9:10pm	DC C3

BUMO714 **Competitive and Collaborative Negotiation**

BUMO714 Competitive and Collaborative Negotiation; (2 credits) Grade Method: REG.
Corequisite: Concurrently enrolled in BUMO715. Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)). Credit only granted for: BUMO714 or BMGT764. Formerly: BMGT764. Increase negotiating self-confidence and improve capacity to achieve win-win solutions to organizational problems. Improve effectiveness at finding creative solutions to conflict.

0101	Gosia Langa	Seats (Total: 40)
	Meets October 24, 2012 - December 13, 2012	
	TuTh 8:30am - 10:20am	VMH 1505

0201	Gosia Langa **Meets October 24, 2012 - December 13, 2012** TuTh 10:30am - 12:20pm	Seats (Total: 40) VMH 1505
DC01	Cynthia Stevens **Meets August 27, 2012 - October 15, 2012** M 6:25pm - 10:00pm	Seats (Total: 40) DC C3

BUMO720 **Understanding Organizational Change**

BUMO720 Understanding Organizational Change; (2 credits) Grade Method: REG.
Prerequisite: BUSI664 or BUSI662. Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)). Develops the fundamental change knowledge and skills of MBA students who plan to work with organizations as change agents, whether internally as managerial employees or externally as outside consultants. Draws on literatures from organizational behavior, human resource management and strategic management to identify models as prescriptions of change.

BA01	Myeong-Gu Seo **Meets August 27, 2012 - October 15, 2012** Tu 6:25pm - 10:00pm	Seats (Total: 40) BA 103
DC01	James Spina **Meets August 27, 2012 - October 15, 2012** Th 6:25pm - 10:00pm	Seats (Total: 40) DC C3
GS01	Mark Wellman **Meets October 24, 2012 - December 13, 2012** W 6:25pm - 10:00pm	Seats (Total: 40) BLD3 4202

BUMO721 **Managing Organizational Change**

BUMO721 Managing Organizational Change; (2 credits) Grade Method: REG. *Prerequisite: BUMO720. Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)).* Develops the advanced knowledge and skills of MBA students who plan to work with organizations as change agents. Concrete and useful strategies, tools, and interventions for diagnosing organizational change situations, analyzing problems, and designing and implementing organizational change. Diverse approaches to leading and managing various types of organizational change.

BA01	Mary Taylor **Meets October 23, 2012 - December 13, 2012** Tu 6:25pm - 10:00pm	Seats (Total: 40) BA 101
DC01	Mary Taylor **Meets October 24, 2012 - December 13, 2012** M 6:25pm - 10:00pm	Seats (Total: 40) DC C2

BUMO751 **Implementing Strategy: Organizing to Compete**

BUMO751 Implementing Strategy: Organizing to Compete; (2 credits) Grade Method: REG.
Prerequisite: Completed or be concurrently enrolled in BUSI690. And Must have completed MBA core requirements; or permission of BMGT-Robert H. Smith School of Business. Organizational dynamics of competitive advantage. Impact of alternative organizational structures, planning and control systems, human resource management practices, and executive leadership styles on the implementation of archetypically different strategies.

0101	Paulo Prochno **Meets October 24, 2012 - December 13, 2012** TuTh 1:00pm - 2:50pm	Seats (Total: 40) VMH 1505
DC06	Oliver Schlake **Meets October 20, 2012 - December 15, 2012** Sa 1:40pm - 5:50pm *Meets 10/20, 10/27, 11/10, 11/17, 12/1, 12/8, Final 12/15.*	Seats (Total: 40) DC C2

GS01	Robert Muller	Seats (Total: 40)
	Meets October 24, 2012 - December 13, 2012	
	Th 6:25pm - 10:00pm	BLD3 4202
	The Final will be held on Tuesday, December 18.	

BUMO752 **Strategic Growth for Emerging Companies**

BUMO752 Strategic Growth for Emerging Companies; (2 credits) Grade Method: REG.
Restriction: Must be in Business and Management (Master's) program. Explores the key elements of mastering the move from being a successful small company to achieving industry significance. Supplemented by readings, video and guest speakers, the course highlights the application of practical lessons leading to strategic growth and subsequent emergence as a player.

GS01	David Kirsch	Seats (Total: 40)
	Meets August 27, 2012 - October 15, 2012	
	M 6:25pm - 10:00pm	BLD3 4202

BUMO753 **Emerging Business Formation**

BUMO753 Emerging Business Formation; (2 credits) Grade Method: REG.
Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)). Business formation issues, legal obligations that affect entrepreneurial activities, the spectrum of financing methods available to emerging businesses, creating management and organization and a practical application of the tools through practical projects.

GS01	Jonathan Aberman	Seats (Total: 40)
	Meets August 27, 2012 - October 15, 2012	
	W 6:25pm - 10:00pm	BLD3 4202

BUMO756 **Industry Analysis**

BUMO756 Industry Analysis; (2 credits) Grade Method: REG.
Recommended: BUSI690. Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)). Credit only granted for: BMGT792 or BUMO756. Formerly: BMGT792. Conceptual framework and analytical tools for understanding the dynamics of industry structure. Impacts of past and future attractiveness of the industry on profitability. Developing and applying frameworks to devise competitive strategies in uncertain industries.

BA01	Michael Geppi **Meets August 27, 2012 - October 15, 2012** Th 6:25pm - 10:00pm	Seats (Total: 40) BA 101
DC01	Paul Silverman **Meets August 27, 2012 - October 15, 2012** Tu 6:25pm - 10:00pm	Seats (Total: 40) DC C4
DC06	Oliver Schlake **Meets October 20, 2012 - December 15, 2012** Sa 8:40am - 12:50pm *Meets 10/20, 10/27, 11/10, 11/17, 12/1, 12/8, Final 12/15.*	Seats (Total: 40) DC C3

BUMO757 **Competitor Analysis**

BUMO757 Competitor Analysis; (2 credits) Grade Method: REG.
Recommended: BUSI690. Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)). Understanding of the dynamics of how competitors interact in the marketplace. Understanding economic and behavioral motivations of industry players to design more effective strategies.

BA01	Rhonda Reger **Meets October 23, 2012 - December 13, 2012** Th 6:25pm - 10:00pm *The Final will be held on Tuesday, December 18.*	Seats (Total: 40) BA 103

DC01	Rhonda Reger **Meets October 23, 2012 - December 13, 2012** Tu 6:25pm - 10:00pm	Seats (Total: 40) DC C3

BUMO758K **Special Topics in Management and Organization; Management Consulting**

BUMO758K Special Topics in Management and Organization: Management Consulting; (2 credits) Grade Method: REG.

0101	Protiti Dastidar **Meets August 27, 2012 - October 15, 2012** TuTh 10:30am - 12:20pm	Seats (Total: 40) VMH 1520
DC06	Protiti Dastidar **Meets August 25, 2012 - October 13, 2012** Sa 1:40pm - 5:50pm *Meets 8/25, 9/1, 9/8, 9/22, 9/29, 10/6, Final 10/13.*	Seats (Total: 40) DC C2
GS01	Protiti Dastidar **Meets August 27, 2012 - October 15, 2012** Tu 6:25pm - 10:00pm	Seats (Total: 40) BLD2 3032

BUMO758Z **Special Topics in Management and Organization; Understanding the Disney Magic**

BUMO758Z Special Topics in Management and Organization: Understanding the Disney Magic; (1 credit) Grade Method: REG.

This course will involve travel to Disney In Orlando, Florida.

BA01	Mark Wellman **Meets August 27, 2012 - December 13, 2012** Contact instructor or department for details.	Seats (Total: 25)

BUMO759 **Independent Study in Management and Organization**

BUMO759 *(PermReq)* **Independent Study in Management and Organization; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BUMO778B **Technology Commercialization; Sourcing Technologies**

BUMO778B *(PermReq)* **Technology Commercialization: Sourcing Technologies; (3 credits)** Grade Method: REG.

BA01	Brent Goldfarb **Meets August 27, 2012 - December 13, 2012** Contact instructor or department for details.	Seats (Total: 4)

BUSI Part-Time MBA Program Fall 2012

BUSI610 **Introduction to Financial Accounting**

BUSI610 *(PermReq)* **Introduction to Financial Accounting; (2 credits)** Grade Method: REG.
Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)). Overview of financial accounting, periodic financial statements and the financial reporting process. Importance of financial statements as information source for creditors and investors and as a means by which managers can communicate information about their firms. Non majors should review their registration eligibility in the statement preceding the BUSI courses.

0101	Rebecca Hann **Meets August 27, 2012 - October 15, 2012** MW 1:00pm - 2:50pm	Seats (Total: 0) VMH 1505
0201	Rebecca Hann **Meets August 27, 2012 - October 15, 2012** MW 10:30am - 12:20pm	Seats (Total: 0) VMH 1505

0501	Michael Kimbrough **Meets August 27, 2012 - October 15, 2012** MW 8:30am - 10:20am *For MS in Finance students only.*	Seats (Total: 0) VMH 1505
0502	Michael Kimbrough **Meets August 27, 2012 - October 15, 2012** TuTh 3:10pm - 5:00pm *For MS in Finance Students only.*	Seats (Total: 0) VMH 1505
BA01	Michael Finch **Meets October 24, 2012 - December 13, 2012** Th 6:25pm - 10:00pm *The final will be held on Tuesday, December 18.*	Seats (Total: 0) BA 104
DC01	Michael Finch **Meets October 24, 2012 - December 13, 2012** M 6:25pm - 10:00pm	Seats (Total: 0) DC C1
DC02	Rebecca Hann **Meets October 23, 2012 - December 13, 2012** Tu 6:25pm - 10:00pm	Seats (Total: 0) DC C1
DC06	Rebecca Hann **Meets October 20, 2012 - December 15, 2012** Sa 8:40am - 12:50pm *Meets 10/20, 10/27, 11/10, 11/17, 12/1, 12/8, Final 12/15.*	Seats (Total: 0) Location: TBA
DC51	Michael Kimbrough **Meets August 27, 2012 - October 15, 2012** M 2:00pm - 5:35pm *For MS in Finance students only.*	Seats (Total: 0) DC C3

DC52	Michael Kimbrough **Meets August 27, 2012 - October 15, 2012** W 2:00pm - 5:35pm *For MS in Finance students only.*	Seats (Total: 0) DC C1
GS01	Rebecca Hann **Meets October 24, 2012 - December 13, 2012** W 6:25pm - 10:00pm	Seats (Total: 0) BLD2 2032

BUSI621 **Strategic and Transformational IT**

BUSI621 Strategic and Transformational IT; (2 credits) Grade Method: REG. *Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)) ; or permission of BMGT-Robert H. Smith School of Business. Credit only granted for: BUSI620 or BUSI621.* Introduces students to the key issues in managing information technology (IT) and provides an overview of how major IT applications in today's firms support strategic, opertaional, and tactical decisions. Topics include: synchroizing IT and business strategy; the transformational impacts of IT; evaluating and coping with new technologies; governing, managing, and organizing the IT function including outsourcing/offshoring considerations; assessing the business value of IT and justifying IT projects; and managing IT applications in functional areas to support strategy and business process.

0501	Anand Gopal **Meets August 27, 2012 - October 15, 2012** TuTh 10:30am - 12:20pm *For MS in Information Systems students only.*	Seats (Total: 50) VMH 1528
BA01	Henry Lucas **Meets August 27, 2012 - October 15, 2012** TuTh 5:20pm - 6:20pm Contact instructor or department for details. *This section is restricted to MBA students only.*	Seats (Total: 24) ONLINE

BUSI622 **Managing Digital Business Markets**

BUSI622 *(PermReq)* **Managing Digital Business Markets; (2 credits)** Grade Method: REG.
Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)) ; or permission of BMGT-Robert H. Smith School of Business. The objective is to understand the strategic and tactical issues involved in managing digital businesses and markets. Also, some of the characteristics of digital businesses and markets that make them unique and understand how companies can bes manage them will be examined.

0501	Sivakumar Viswanathan **Meets August 27, 2012 - October 15, 2012** MW 8:30am - 10:20am *For MS in Information Systems students only.*	Seats (Total: 50) VMH 1511

BUSI630 **Data, Models and Decisions**

BUSI630 *(PermReq)* **Data, Models and Decisions; (2 credits)** Grade Method: REG.
Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)). Analytical modeling of business decisions; uncertainty, risk and expected utility; regression modeling to infer relationships among variables. Non-majors should review their registration eligibility in the statementpreceding the BUSI courses.

0101	Shreevardhan Lele **Meets August 27, 2012 - October 15, 2012** TuTh 1:00pm - 2:50pm	Seats (Total: 0) VMH 1511
0201	Shreevardhan Lele **Meets August 27, 2012 - October 15, 2012** TuTh 10:30am - 12:20pm	Seats (Total: 0) VMH 1511

0501	Subramanian Raghavan **Meets August 27, 2012 - October 15, 2012** Th 6:00pm - 9:35pm *For MS in Supply Chain Management students only.*	Seats (Total: 0) VMH 1336
0502	Kislaya Prasad **Meets August 27, 2012 - October 15, 2012** MW 10:30am - 12:20pm *For MS in Information Systems students only.*	Seats (Total: 0) VMH 1528
0503	Kislaya Prasad **Meets August 27, 2012 - October 15, 2012** Tu 6:00pm - 9:35pm *For MS in Supply Chain Management students only.*	Seats (Total: 0) VMH 1336
0504	Kislaya Prasad **Meets August 27, 2012 - October 15, 2012** TuTh 8:30am - 10:20am *For MS in Information Systems students only.*	Seats (Total: 0) VMH 1518

BUSI634 **Operations Management**

BUSI634 Operations Management; (2 credits) Grade Method: REG.
Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)) ; or permission of BMGT-Robert H. Smith School of Business. Operations management is concerned with efficient and effective design and operation of business processes for delivering products and/or services. Emphasis is given to process analysis and design, capacity management and bottlenecks, waiting lines and the impact of uncertainty in process performance, quality management, lean, six-sigma, and revenue management.

BA01	Wedad Elmaghraby **Meets August 27, 2012 - October 15, 2012** W 6:25pm - 10:00pm	Seats (Total: 69) BA 104

DC01	Wedad Elmaghraby **Meets August 27, 2012 - October 15, 2012** M 6:25pm - 10:00pm	Seats (Total: 61) DC C2
DC02	Yi Xu **Meets August 27, 2012 - October 15, 2012** Tu 6:25pm - 10:00pm	Seats (Total: 61) DC C3
DC06	Zhi-Long Chen **Meets August 25, 2012 - October 13, 2012** Sa 8:40am - 12:50pm *Meets 8/25, 9/1, 9/8, 9/22, 9/29, 10/6, Final 10/13.*	Seats (Total: 34) DC C2
GS01	Zhi-Long Chen **Meets August 27, 2012 - October 15, 2012** Th 6:25pm - 10:00pm	Seats (Total: 37) BLD2 2032

BUSI640 **Financial Management**

BUSI640 *(PermReq)* **Financial Management; (2 credits)** Grade Method: REG. *Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)).* Focuses on the valuation of the real assets of firms as well as the valuation of stocks and bonds, the primary financial assets in an economy. While details vary, the conceptual foundations of valuation boil down to three themes: time value of money, no-arbitrage, and systematic risk. Non majors should review their registration eligibility in the statement preceding the BUSI courses.

0101	Michael Faulkender **Meets October 24, 2012 - December 13, 2012** TuTh 1:00pm - 2:50pm	Seats (Total: 0) VMH 1511

0201	Michael Faulkender **Meets October 24, 2012 - December 13, 2012** TuTh 10:30am - 12:20pm	Seats (Total: 0) VMH 1511
0501	Liu Yang **Meets August 27, 2012 - October 15, 2012** MW 3:10pm - 5:00pm *For MS in Finance students only.*	Seats (Total: 0) VMH 1520
0502	Liu Yang **Meets August 27, 2012 - October 15, 2012** MW 1:00pm - 2:50pm *For MS in Finance Students only.*	Seats (Total: 0) VMH 1528
DC51	Liu Yang **Meets August 27, 2012 - October 15, 2012** Tu 2:00pm - 5:35pm *For MS in Finance students only.*	Seats (Total: 0) DC C1
DC52	Liu Yang **Meets August 27, 2012 - October 15, 2012** Th 2:00pm - 5:35pm *For MS in Finance students only.*	Seats (Total: 0) DC C3

BUSI650 **Marketing Management**

BUSI650 *(PermReq)* **Marketing Management; (2 credits)** Grade Method: REG. *Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)).* Analysis of marketing problems and evaluation of specific marketing efforts regarding the organization's products and services, pricing activities, channel selection, and promotion strategies in both domestic and international markets. Non-majors should review their registration eligibility in the statement preceding the BUSI courses.

0101	David Godes **Meets October 24, 2012 - December 13, 2012** TuTh 10:30am - 12:20pm	Seats (Total: 0) VMH 1528
0201	David Godes **Meets October 24, 2012 - December 13, 2012** TuTh 3:10pm - 5:00pm	Seats (Total: 0) VMH 1505

BUSI662 **Leadership and Teamwork**

BUSI662 *(PermReq)* **Leadership and Teamwork; (2 credits)** Grade Method: REG. *Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)).* Course examines concepts of team-building and leadership which are critical to managerial success. Topics include leadership, decision making, communication and conflict, work motivation, building effective teams, and organizational change and culture.

0101	Karen Wouters **Meets October 24, 2012 - December 13, 2012** MW 1:00pm - 2:50pm	Seats (Total: 0) VMH 1505
0201	Karen Wouters **Meets October 24, 2012 - December 13, 2012** MW 10:30am - 12:20pm	Seats (Total: 0) VMH 1505
BA01	Subrahmaniam Tangirala **Meets August 27, 2012 - October 15, 2012** Tu 6:25pm - 10:00pm	Seats (Total: 0) BA 104
DC01	Cynthia Stevens **Meets August 27, 2012 - October 15, 2012** W 6:25pm - 10:00pm	Seats (Total: 0) DC C1

DC02	Cynthia Stevens **Meets August 27, 2012 - October 15, 2012** Th 6:25pm - 10:00pm	Seats (Total: 0) DC C1
DC06	Subrahmaniam Tangirala **Meets August 25, 2012 - October 13, 2012** Sa 1:40pm - 5:50pm *Meets 8/25, 9/1, 9/8, 9/22, 9/29, 10/6, Final 10/13.*	Seats (Total: 0) DC C1
GS01	Subrahmaniam Tangirala **Meets August 27, 2012 - October 15, 2012** M 6:25pm - 10:00pm	Seats (Total: 0) BLD2 2032

BUSI667 **Cross-Cultural Communication and Teamwork**

BUSI667 Cross-Cultural Communication and Teamwork; (2 credits) Grade Method: REG.
Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)) ; or permission of BMGT-Robert H. Smith School of Business. Provide managers a sound basis for developing such competencies. Specifically, we will develop an understanding of key cultural differences, and how these differences influence the management of individuals, groups, and organizations.

DC01	Hui Liao **Meets October 24, 2012 - December 13, 2012** Th 6:25pm - 10:00pm *The final will be held on Tuesday, Dec 18.*	Seats (Total: 40) DC C4

BUSI672 **Global Supply Chain Management**

BUSI672 *(PermReq)* **Global Supply Chain Management; (2 credits)** Grade Method: REG.
Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)). Offers a practical blueprint for understanding, building, implementing, and sustaining supply chains in today's rapidly changing global supply chain environment. It will provide the student with a survey of the fast-moving Supply Chain Management discipline and practice, including the evolution of supply chain strategies, business models and technologies; current best practices in demand and supply management; and methodologies for conducting supply chain-wide diagnostic assessments and formulating process improvement plans.

0501	Thomas Corsi **Meets August 27, 2012 - October 15, 2012** F 9:00am - 12:35pm *For MS in Supply Chain Management students only.*	Seats (Total: 0) VMH 1528
0502	Thomas Corsi **Meets August 27, 2012 - October 15, 2012** F 1:35pm - 5:10pm *For MS in Supply Chain Management students only.*	Seats (Total: 0) VMH 1528

BUSI681 **Managerial Economics and Public Policy**

BUSI681 *(PermReq)* **Managerial Economics and Public Policy; (2 credits)** Grade Method: REG.
Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)). Basic microeconomic principles used by firms, including supply and demand, elasticities, costs, productivity, pricing, market structure and competitive implications of alternative market structures. Market failures and government intervention. Public policy processes affecting business operations. Non-majors should review their registration eligibility in the statement preceding the BUSI courses.

0101	Charles Olson **Meets August 27, 2012 - October 15, 2012** MW 3:10pm - 5:00pm	Seats (Total: 0) VMH 1511
0201	Charles Olson **Meets August 27, 2012 - October 15, 2012** MW 1:00pm - 2:50pm	Seats (Total: 0) VMH 1511
BA01	Robert Windle **Meets August 27, 2012 - October 15, 2012** Th 6:25pm - 10:00pm	Seats (Total: 0) BA 104
DC01	Robert Windle **Meets August 27, 2012 - October 15, 2012** M 6:25pm - 10:00pm	Seats (Total: 0) DC C1
DC02	Charles Olson **Meets August 27, 2012 - October 15, 2012** Tu 6:25pm - 10:00pm	Seats (Total: 0) DC C1
DC06	Jahangir Boroumand **Meets August 25, 2012 - October 13, 2012** Sa 8:40am - 12:50pm *Meets 8/25, 9/1, 9/8, 9/22, 9/29, 10/6, Final 10/13.*	Seats (Total: 0) DC C1
GS01	Jahangir Boroumand **Meets August 27, 2012 - October 15, 2012** W 6:25pm - 10:00pm	Seats (Total: 0) BLD2 2032

BUSI683 The Global Economic Environment

BUSI683 The Global Economic Environment; (2 credits) Grade Method: REG. *Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)).* Relationship between national and international economic environments. Determinants of output, interest rates, prices and exchange rates. Analysis of effect of economic policies (fiscal, monetary, trade, tax) on the firm and the economy.

0101	Cristian Dezso **Meets August 27, 2012 - October 15, 2012** MW 10:30am - 12:20pm	Seats (Total: 57) VMH 1520
0201	Cristian Dezso **Meets August 27, 2012 - October 15, 2012** MW 1:00pm - 2:50pm	Seats (Total: 57) VMH 1520
0501	Curtis Grimm **Meets October 24, 2012 - December 13, 2012** TuTh 3:30pm - 5:20pm *For MS in Supply Chain Management students only.*	Seats (Total: 0) VMH 1336
0502	Curtis Grimm **Meets October 24, 2012 - December 13, 2012** TuTh 1:00pm - 2:50pm *For MS in Supply Chain Management students only.*	Seats (Total: 0) VMH 1520

BUSI690 Strategic Management

BUSI690 *(PermReq)* **Strategic Management; (2 credits)** Grade Method: REG. *Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)).* Analyze and identify profit opportunities and threats in different industry and competitive environments; Analyze and identify a firm's valuable assets, resources and capabilities and how they might be protected, leveraged, and extended in the market; Learn how to organize your company to be the best prepared to adapt its strategy over time as the market environment changes; and how to use organic growth as well as mergers, acquisitions, joint ventures, alliances, and divestitures to ensure that the firm maintians the proper scale and scope to compete effectively over time. Non-majors should review their registration eligibility in the statement preceding the BUSI courses.

0101	Paulo Prochno **Meets October 24, 2012 - December 13, 2012** MW 3:10pm - 5:00pm	Seats (Total: 0) VMH 1511
0201	Paulo Prochno **Meets October 24, 2012 - December 13, 2012** MW 1:00pm - 2:50pm	Seats (Total: 0) VMH 1511
BA01	Paulo Prochno **Meets October 23, 2012 - December 13, 2012** Tu 6:25pm - 10:00pm	Seats (Total: 0) BA 104
DC01	Natasha Munshi **Meets October 24, 2012 - December 13, 2012** W 6:25pm - 10:00pm	Seats (Total: 0) DC C1
DC02	Natasha Munshi **Meets October 24, 2012 - December 13, 2012** Th 6:25pm - 10:00pm *The Final will be held on Tuesday, December 18.*	Seats (Total: 0) DC C1

DC06	David Waguespack **Meets October 20, 2012 - December 15, 2012** Sa 1:40pm - 5:50pm *Meets 10/20, 10/27, 11/10, 11/17, 12/1, 12/8, Final 12/15.*	Seats (Total: 0) Location: TBA
GS01	Paulo Prochno **Meets October 24, 2012 - December 13, 2012** M 6:25pm - 10:00pm	Seats (Total: 0) BLD2 2032

BUSI698 **MBA Consulting Project**
Contact department for information to register for this course.

BUSI698D **MBA Consulting Project; New Market Growth Fund**
Contact department for information to register for this course.

BUSI718 **Social Venture Consulting Practicum**
Contact department for information to register for this course.

BUSI728 **Business Consulting Practicum**
Contact department for information to register for this course.

BUSI758A **Special Topics in Business; Federal Acquisition: Concept and Management**

BUSI758A Special Topics in Business: Federal Acquisition: Concept and Management; (3 credits) Grade Method: REG.
Also offered as ENSE698J and PUAF689A.

0101	William Lucyshyn W 4:15pm - 6:45pm	Seats (Total: 22) VMH 2101F

BUSI758E **Special Topics in Business; Complexity in Business**

BUSI758E *(PermReq)* **Special Topics in Business: Complexity in Business; (3 credits)** Grade Method: REG.

BA01	William Rand **Meets August 27, 2012 - December 13, 2012** Contact instructor or department for details.	Seats (Total: 4)

BUSI758N **Special Topics in Business; Strategic Management for NonProfit and Public Organizations**

BUSI758N Special Topics in Business: Strategic Management for NonProfit and Public Organizations; (3 credits) Grade Method: REG.

0101	Robert Sheehan W 7:00pm - 9:30pm	Seats (Total: 10) VMH 2505

BUSI758T **Special Topics in Business; Technology Law**

BUSI758T Special Topics in Business: Technology Law; (1 credit) Grade Method: REG.
Also offered as ENEE698T. Credit will be granted for one of the following: BUSI758T or ENEE698T. Click here for more information.

0101	Michael Oblon Tu 6:00pm - 8:00pm	Seats (Total: 35) JMP 1109

BUSI758Y **Special Topics in Business; Games of Strategy**

BUSI758Y Special Topics in Business: Games of Strategy; (2 credits) Grade Method: REG.

0101	Shreevardhan Lele **Meets August 27, 2012 - October 15, 2012** MW 10:30am - 12:20pm	Seats (Total: 40) VMH 1511
0201	Shreevardhan Lele **Meets August 27, 2012 - October 15, 2012** MW 1:00pm - 2:50pm	Seats (Total: 20) VMH 2509

BA01	Rui Zhao **Meets August 27, 2012 - October 15, 2012** M 6:25pm - 10:00pm	Seats (Total: 40) BA 101
DC01	Rui Zhao **Meets August 27, 2012 - October 15, 2012** W 6:25pm - 10:00pm	Seats (Total: 40) DC C2
GS01	Rui Zhao **Meets August 27, 2012 - October 15, 2012** Tu 6:25pm - 10:00pm	Seats (Total: 40) BLD3 4202

BUSI758Z **Special Topics in Business; Economics of Incentives**

BUSI758Z Special Topics in Business: Economics of Incentives; (2 credits)

Grade Method: REG.

0101	Shreevardhan Lele **Meets October 24, 2012 - December 13, 2012** MW 10:30am - 12:20pm	Seats (Total: 40) VMH 1511
BA01	Rui Zhao **Meets October 24, 2012 - December 13, 2012** M 6:25pm - 10:00pm	Seats (Total: 40) BA 101
DC01	Shreevardhan Lele **Meets October 24, 2012 - December 13, 2012** W 6:25pm - 10:00pm	Seats (Total: 40) DC C2
GS01	Rui Zhao **Meets October 23, 2012 - December 13, 2012** Tu 6:25pm - 10:00pm	Seats (Total: 40) BLD2 3032

BUSI759 **Independent Study in Business**

BUSI759 *(PermReq)* **Independent Study in Business; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BUSI761 **The Environment of International Business**

BUSI761 The Environment of International Business; (2 credits) Grade Method: REG.
Credit only granted for: BMGT794 or BUSI761. Formerly: BMGT794. The international business environment as it affects company policy and procedures. In-depth analysis and comprehensive case studies of the business functions undertaken in international operations.

BA01	Peter Morici **Meets October 6, 2012 - October 27, 2012** SaSu 8:30am - 5:50pm *Meets 10/6, 10/7, 10/27.*	Seats (Total: 40) BA 103
DC06	Peter Morici **Meets September 8, 2012 - September 29, 2012** SaSu 8:30am - 5:50pm *Meets 9/8, 9/9, 9/29.*	Seats (Total: 40) DC C3

BUSI764 **Business Law for Managers**

BUSI764 Business Law for Managers; (2 credits) Grade Method: REG.
Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)) ; or permission of BMGT-Robert H. Smith School of Business. Credit only granted for: BMGT793 or BUSI764. Formerly: BMGT793. Survey of United States legal institutions and processes as well as substantive areas of the law that affect business. Examination of tort and contract law, the legal forms of business organization and legal liability and major regulatory laws that affect business.

DC01	William McClenahan **Meets August 27, 2012 - October 15, 2012** M 6:25pm - 10:00pm	Seats (Total: 40) DC C4

BUSI768B **Global Business Experience: CIBER Global Business Project; Doing Business in Brazil**
Contact department for information to register for this course.

BUSI768C **Global Business Experience: CIBER Global Business Project; Doing Business in China**
Contact department for information to register for this course.

BUSI768T **Global Business Experience: CIBER Global Business Project; Doing Business in Thailand**
Contact department for information to register for this course.

BUSI771 **New Venture Financing**

BUSI771 New Venture Financing; (2 credits) Grade Method: REG.
Prerequisite: BUSI640; or permission of BMGT-Robert H. Smith School of Business. Credit only granted for: BMGT740 or BUSI771. Formerly: BMGT740. Development of skills for financing new ventures (both small and potentially large). Exploration of various funding sources. Criteria used in evaluation and decision process, including commercial banks, venture capital companies, small business investment companies, underwriters, private placement-financial consultants, mortgage bankers, and small business innovative research grants (U.S. Government).

BA01	James Dugan **Meets October 24, 2012 - December 13, 2012** W 6:25pm - 10:00pm	Seats (Total: 40) BA 102

BUSI785 **Project Management in Dynamic Environments**

BUSI785 Project Management in Dynamic Environments; (2 credits) Grade Method: REG.
Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)) ; or permission of BMGT-Robert H. Smith School of Business. Addresses project management skills that are required by successful managers in increasingly competitive and faster-moving environments. Examines fundamental concepts of successful project management, and the technical and managerial issues, methods, and techniques.

0101	Pamela Armstrong **Meets August 27, 2012 - October 15, 2012** MW 3:10pm - 5:00pm	Seats (Total: 40) VMH 1505
BA01	Hassan Ibrahim **Meets October 24, 2012 - December 13, 2012** W 6:25pm - 10:00pm	Seats (Total: 40) BA 101
DC06	Pamela Armstrong **Meets August 25, 2012 - October 13, 2012** Sa 8:40am - 12:50pm *Meets 8 /25, 9/1, 9/8, 9/22, 9/29, 10/6, Final 10/13.*	Seats (Total: 40) DC C4

BUSI788G **Introduction to Global Business Experience; Doing Business in India: Creating an India Strategy**

BUSI788G Introduction to Global Business Experience: Doing Business in India: Creating an India Strategy; (1 credit) Grade Method: REG.
By registering for this course you will automatically be registered for the associated Winter travel course (BUSI798G). Click here for mor e information.

BA01	Sunil Mithas Contact instructor or department for details.	Seats (Total: 25)

BUSI788K **Introduction to Global Business Experience; Business Plan Writing and China Business Plan Competition Training**

BUSI788K Introduction to Global Business Experience: Business Plan Writing and China Business Plan Competition Training; (1 credit) Grade Method: REG.
By registering for this course you will automatically be registered for the associated Winter travel course (BUSI798K). Please click here for further information

BA01	J Baum	Seats (Total: 35)
	Contact instructor or department for details.	

BUSI788Y **Introduction to Global Business Experience; Doing Business in Singapore: The Business Hub of Asia**

BUSI788Y Introduction to Global Business Experience: Doing Business in Singapore: The Business Hub of Asia; (1 credit) Grade Method: REG.
By registering for this course you will automatically be registered for the associated Winter travel course (BUSI798Y). Click here for mor e information.

BA01	Sandor Boyson	Seats (Total: 35)
	Contact instructor or department for details.	

BUSI799 **Masters Thesis Research**

BUSI799 *(PermReq)* **Masters Thesis Research; (1-6 credits)** Grade Method: REG.
Individual Instruction course: contact department or instructor to obtain section number.
For Smith School MS Students only.

Contact department for information to register for this course.

CBMG Cell Biology & Molecular Genetics Fall 2012

CBMG688A **Special Topics in Cell Biology and Molecular Genetics; Research Experiences**

CBMG688A Special Topics in Cell Biology and Molecular Genetics: Research Experiences; (2 credits) Grade Method: REG/AUD.

0101	Kevin McIver	Seats (Total: 20)
	Tu 12:00pm - 3:00pm	MCB 2119
	Contact instructor or department for details.	
0201	Instructor: TBA	Seats (Total: 20)
	Contact instructor or department for details.	

CBMG688D **Special Topics in Cell Biology and Molecular Genetics; Genetics: Cell Biology I - Structure and Function**

CBMG688D Special Topics in Cell Biology and Molecular Genetics: Genetics: Cell Biology I - Structure and Function; (2 credits) Grade Method: REG/AUD.

0101	Kan Cao, Antony Jose, Wenxia Song	Seats (Total: 30)
	Meets October 22, 2012 - December 11, 2012	
	TuTh 4:00pm - 6:00pm	MCB 1207

CBMG688E **Special Topics in Cell Biology and Molecular Genetics; Plant Physiology**

CBMG688E Special Topics in Cell Biology and Molecular Genetics: Plant Physiology; (3 credits) Grade Method: REG/AUD.

0101	Heven Sze	Seats (Total: 10)
	TuTh 11:00am - 12:50pm	BPS 1228

CBMG688J **Special Topics in Cell Biology and Molecular Genetics; Genetics: Immunology and Host Defense**

CBMG688J Special Topics in Cell Biology and Molecular Genetics: Genetics: Immunology and Host Defense; (2 credits) Grade Method: REG/AUD.

0101	David Mosser, Roy Mariuzza	Seats (Total: 20)
	Meets August 29, 2012 - October 15, 2012	
	MW 4:00pm - 6:00pm	MCB 2119

CBMG688K **Special Topics in Cell Biology and Molecular Genetics; Genetics: Molecular Virology**

CBMG688K Special Topics in Cell Biology and Molecular Genetics: Genetics: Molecular Virology; (2 credits) Grade Method: REG/AUD.

0101	Jeffrey DeStefano	Seats (Total: 20)
	Meets October 22, 2012 - December 11, 2012	
	MW 4:00pm - 6:00pm	HJP 1216

CBMG688P **Special Topics in Cell Biology and Molecular Genetics; Programming for Biology**

CBMG688P Special Topics in Cell Biology and Molecular Genetics: Programming for Biology; (2 credits) Grade Method: REG/AUD.

0101	Stephen Mount, Najib El-Sayed **Meets October 22, 2012 - December 11, 2012** MW 2:00pm - 3:50pm	Seats (Total: 12) MCB 2119

CBMG688V **Special Topics in Cell Biology and Molecular Genetics; Virology Program**

CBMG688V Special Topics in Cell Biology and Molecular Genetics: Virology Program; (2 credits) Grade Method: REG/AUD.

0101	Brenda Fredericksen F 3:00pm - 5:00pm	Seats (Total: 20) MCB 1207

CBMG688W **Special Topics in Cell Biology and Molecular Genetics; Principles of Microscopy**

CBMG688W Special Topics in Cell Biology and Molecular Genetics: Principles of Microscopy; (2 credits) Grade Method: REG/AUD.

0101	Stephen Wolniak MW 8:00am - 9:00am	Seats (Total: 10) HJP 1216

CBMG688Y **Special Topics in Cell Biology and Molecular Genetics; Bioinformatics and Genomics**

CBMG688Y Special Topics in Cell Biology and Molecular Genetics: Bioinformatics and Genomics; (2 credits) Grade Method: REG/AUD.

0101	Najib El-Sayed, Michael Cummings **Meets August 29, 2012 - October 15, 2012** TuTh 9:00am - 10:50am	Seats (Total: 30) BPS 1236

CBMG688Z **Special Topics in Cell Biology and Molecular Genetics; Genetics: Teaching Science**

CBMG688Z Special Topics in Cell Biology and Molecular Genetics: Genetics: Teaching Science; (1 credit) Grade Method: REG/AUD.

0101	Michelle Brooks	Seats (Total: 30)
	Tu 6:00pm - 8:00pm	BPS 1208

CBMG699 **Special Problems in Cell Biology and Molecular Genetics**

CBMG699 Special Problems in Cell Biology and Molecular Genetics; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CBMG699D **Special Problems in Cell Biology and Molecular Genetics; Molecular Genetics: Bioinformatics and Computation Biology**

CBMG699D Special Problems in Cell Biology and Molecular Genetics: Molecular Genetics: Bioinformatics and Computation Biology; (1 credit) Grade Method: REG/AUD.

0101	Stephen Mount	Seats (Total: 20)
	Contact instructor or department for details.	

CBMG699J **Special Problems in Cell Biology and Molecular Genetics; Structure-Function**

CBMG699J Special Problems in Cell Biology and Molecular Genetics: Structure-Function; (1 credit) Grade Method: REG/AUD.

0101	Scott Walsh	Seats (Total: 15)
	F 3:00pm - 4:00pm	Location: TBA

CBMG699K **Special Problems in Cell Biology and Molecular Genetics; Biological Sciences Teaching and Learning in Higher Education**

CBMG699K *(PermReq)* **Special Problems in Cell Biology and Molecular Genetics: Biological Sciences Teaching and Learning in Higher Education; (2 credits)** Grade Method: REG.
Also offered as BIOL608K, CHEM608K, and ENTM699K. Credit will be granted for only one of the following: BIOL608K, CBMG699K, CHEM608K, or ENTM699K.

0101	Gili Ad-Marbach	Seats (Total: 28)
	W 12:00pm - 1:40pm	BPS 1208

CBMG699T **Special Problems in Cell Biology and Molecular Genetics; Molecular Genetics: Genetics of Eukaryotic Model Systems**

CBMG699T Special Problems in Cell Biology and Molecular Genetics: Molecular Genetics: Genetics of Eukaryotic Model Systems; (1 credit) Grade Method: REG/AUD.

0101	Stephen Mount	Seats (Total: 20)
	Contact instructor or department for details.	

CBMG699X **Special Problems in Cell Biology and Molecular Genetics; Host Pathogen Interactions**

CBMG699X Special Problems in Cell Biology and Molecular Genetics: Host Pathogen Interactions; (1 credit) Grade Method: REG/AUD.

0101	David Mosser	Seats (Total: 20)
	F 9:00am - 10:30am	MCB 2119

CBMG699Y **Special Problems in Cell Biology and Molecular Genetics; Plant Cell Biology Journal Club**

CBMG699Y Special Problems in Cell Biology and Molecular Genetics: Plant Cell Biology Journal Club; (1 credit) Grade Method: REG/AUD.

0101	Heven Sze	Seats (Total: 20)
	M 12:00pm - 1:00pm	HJP 1216

CBMG699Z **Special Problems in Cell Biology and Molecular Genetics; Protein Translation**

CBMG699Z Special Problems in Cell Biology and Molecular Genetics: Protein Translation; (1 credit) Grade Method: REG/AUD.

0101	Jonathan Dinman	Seats (Total: 20)
	F 9:30am - 10:30am	MCB 1121

CBMG789 **Seminar in Cell Biology and Molecular Genetics**

CBMG789 Seminar in Cell Biology and Molecular Genetics; (2 credits) Grade Method: REG/AUD.

0101	Jeffrey DeStefano	Seats (Total: 20)
	F 12:00pm - 2:00pm	HJP 1125

CBMG799 **Masters Thesis Research**

CBMG799 Masters Thesis Research; (1-6 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CBMG898 **Pre-Candidacy Research**

CBMG898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CBMG899 **Doctoral Dissertation Research**

CBMG899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CCJS Criminology and Criminal Justice Fall 2012

CCJS100 **Introduction to Criminal Justice**

CCJS100 Introduction to Criminal Justice; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. GenEd: Distributive Studies - History and Social Sciences.
Introduction to the administration of criminal justice in a democratic society, with emphasis on the theoretical and historical development of law enforcement. The principles of organization and administration for law enforcement; functions and specific activities; planning and research; public relations; personnel and training; inspection and control; direction; policy formulation.

0101	Kimberly Mehlman-Orozco MW 9:00am - 9:50am M 10:00am - 10:50am	Seats (Total: 32) SKN 0200 ARM 0121	 Discussion
0102	Kimberly Mehlman-Orozco MW 9:00am - 9:50am M 11:00am - 11:50am	Seats (Total: 32) SKN 0200 ARM 0121	 Discussion

0103	Kimberly Mehlman-Orozco MW 9:00am - 9:50am M 12:00pm - 12:50pm	Seats (Total: 32) SKN 0200 ARM 0121	Discussion
0104	Kimberly Mehlman-Orozco MW 9:00am - 9:50am M 1:00pm - 1:50pm	Seats (Total: 32) SKN 0200 ARM 0121	Discussion
0105	Kimberly Mehlman-Orozco MW 9:00am - 9:50am W 10:00am - 10:50am	Seats (Total: 32) SKN 0200 ARM 0121	Discussion
0106	Kimberly Mehlman-Orozco MW 9:00am - 9:50am W 11:00am - 11:50am	Seats (Total: 32) SKN 0200 ARM 0121	Discussion
0107	Kimberly Mehlman-Orozco MW 9:00am - 9:50am W 12:00pm - 12:50pm	Seats (Total: 32) SKN 0200 ARM 0121	Discussion
0108	Kimberly Mehlman-Orozco MW 9:00am - 9:50am W 1:00pm - 1:50pm	Seats (Total: 32) SKN 0200 ARM 0121	Discussion
0201	Kimberly Mehlman-Orozco TuTh 3:00pm - 3:50pm Tu 9:30am - 10:20am	Seats (Total: 30) LEF 2205 BPS 1232	Discussion
0202	Kimberly Mehlman-Orozco TuTh 3:00pm - 3:50pm Tu 11:00am - 11:50am	Seats (Total: 30) LEF 2205 LEF 1201	Discussion
0203	Kimberly Mehlman-Orozco TuTh 3:00pm - 3:50pm Tu 12:30pm - 1:20pm	Seats (Total: 30) LEF 2205 TLF 1101	Discussion
0204	Kimberly Mehlman-Orozco TuTh 3:00pm - 3:50pm Tu 2:00pm - 2:50pm	Seats (Total: 30) LEF 2205 ARM 0121	Discussion

0205	Kimberly Mehlman-Orozco TuTh 3:00pm - 3:50pm Th 9:30am - 10:20am	Seats (Total: 30) LEF 2205 ARM 0103	Discussion
0206	Kimberly Mehlman-Orozco TuTh 3:00pm - 3:50pm Th 11:00am - 11:50am	Seats (Total: 30) LEF 2205 HZF 0101	Discussion
0207	Kimberly Mehlman-Orozco TuTh 3:00pm - 3:50pm Th 12:30pm - 1:20pm	Seats (Total: 30) LEF 2205 JMZ 0122	Discussion
0208	Kimberly Mehlman-Orozco TuTh 3:00pm - 3:50pm Th 2:00pm - 2:50pm	Seats (Total: 30) LEF 2205 JMZ 1122	Discussion

CCJS105 **Introduction to Criminology**

CCJS105 Introduction to Criminology; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. GenEd: Distributive Studies - History and Social Sciences.
Criminal behavior and the methods of its study; causation; typologies of criminal acts and offenders; punishment, correction and incapacitation; prevention of crime.

0101	Brendan Dooley MW 10:00am - 10:50am M 9:00am - 9:50am	Seats (Total: 35) SKN 0200 BPS 1228	Discussion
0102	Brendan Dooley MW 10:00am - 10:50am M 11:00am - 11:50am	Seats (Total: 35) SKN 0200 MMH 3418	Discussion
0103	Brendan Dooley MW 10:00am - 10:50am M 12:00pm - 12:50pm	Seats (Total: 35) SKN 0200 ARM 0119	Discussion
0104	Brendan Dooley MW 10:00am - 10:50am M 1:00pm - 1:50pm	Seats (Total: 35) SKN 0200 BPS 1124	Discussion

0105	Brendan Dooley MW 10:00am - 10:50am W 9:00am - 9:50am	Seats (Total: 35) SKN 0200 BPS 1228	Discussion
0106	Brendan Dooley MW 10:00am - 10:50am W 11:00am - 11:50am	Seats (Total: 35) SKN 0200 BPS 1124	Discussion
0107	Brendan Dooley MW 10:00am - 10:50am W 12:00pm - 12:50pm	Seats (Total: 35) SKN 0200 LEF 1201	Discussion
0108	Brendan Dooley MW 10:00am - 10:50am W 1:00pm - 1:50pm	Seats (Total: 35) SKN 0200 LEF 1201	Discussion
0201	Brendan Dooley TuTh 12:30pm - 1:20pm Tu 9:30am - 10:20am	Seats (Total: 35) SKN 0200 LEF 1201	Discussion
0202	Brendan Dooley TuTh 12:30pm - 1:20pm Tu 11:00am - 11:50am	Seats (Total: 35) SKN 0200 ARM 0105	Discussion
0203	Brendan Dooley TuTh 12:30pm - 1:20pm Tu 2:00pm - 2:50pm	Seats (Total: 35) SKN 0200 BPS 1124	Discussion
0204	Brendan Dooley TuTh 12:30pm - 1:20pm Tu 3:00pm - 3:50pm	Seats (Total: 35) SKN 0200 MMH 3418	Discussion
0205	Brendan Dooley TuTh 12:30pm - 1:20pm Th 9:30am - 10:20am	Seats (Total: 35) SKN 0200 SQH 2117	Discussion
0206	Brendan Dooley TuTh 12:30pm - 1:20pm Th 11:00am - 11:50am	Seats (Total: 35) SKN 0200 ARM 0105	Discussion

0207	Brendan Dooley TuTh 12:30pm - 1:20pm Th 2:00pm - 2:50pm	Seats (Total: 35) SKN 0200 BPS 1124	 Discussion
0208	Brendan Dooley TuTh 12:30pm - 1:20pm Th 3:00pm - 3:50pm	Seats (Total: 35) SKN 0200 ARM 0105	 Discussion
FC01	Sarah Boonstoppel MW 3:00pm - 4:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 24) HBK 0108	
FC02	Douglas Weiss MW 4:30pm - 5:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 24) KEY 0123	

CCJS200 **Statistics for Criminology and Criminal Justice**

CCJS200 *(PermReq)* **Statistics for Criminology and Criminal Justice; (3 credits)** Grade Method: REG/P-F/AUD. GenEd: Fundamental Studies - Analytic Reasoning. *Prerequisite: CCJS100 or CCJS105; and minimum grade of C- in MATH111. Restriction: Must be in Criminology and Criminal Justice program; or permission of BSOS-Criminology & Criminal Justice department. Credit only granted for: BIOM301, BMGT230, CCJS200, ECON321, EDMS451, GEOG306, GVPT422, PSYC200 or SOCY201.* Introduction to descriptive and inferential statistics, graphical techniques, and the computer analysis of criminology and criminal justice data. Basic procedures of hypothesis testing, correlation and regression analysis, and the analysis of continuous and binary dependent variables. Emphasis upon the examination of research problems and issues in criminology and criminal justice.

0201	Brian Johnson TuTh 11:00am - 12:15pm Th 2:00pm - 2:50pm	Seats (Total: 35) SKN 0200 MTH 0304	 Discussion
0202	Brian Johnson TuTh 11:00am - 12:15pm Th 3:00pm - 3:50pm	Seats (Total: 35) SKN 0200 ARM 0119	 Discussion

0203	Brian Johnson TuTh 11:00am - 12:15pm F 11:00am - 11:50am	Seats (Total: 35) SKN 0200 LEF 2208	Discussion
0204	Brian Johnson TuTh 11:00am - 12:15pm F 12:00pm - 12:50pm	Seats (Total: 35) SKN 0200 SQH 1105	Discussion
0205	Brian Johnson TuTh 11:00am - 12:15pm Th 10:00am - 10:50am	Seats (Total: 30) SKN 0200 ARM 0105	Discussion
0206	Brian Johnson TuTh 11:00am - 12:15pm F 1:00pm - 1:50pm	Seats (Total: 30) SKN 0200 TYD 1118	Discussion

CCJS230 **Criminal Law in Action**

CCJS230 *(PermReq)* **Criminal Law in Action; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: CCJS100. Law as one of the methods of social control. Criminal law: its nature, sources and types; theories and historical developments. Behavioral and legal aspects of criminal acts. Classification and analysis of selected criminal offenses.

0101	Christine Roberts White MWF 10:00am - 10:50am	Seats (Total: 105) SQH 1120	
0201	Russell Hamill W 4:00pm - 6:45pm	Seats (Total: 175) KEY 0106	

CCJS234 **Law of Criminal Investigation**

CCJS234 *(PermReq)* **Law of Criminal Investigation; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: CCJS100 and CCJS230. General principles and theories of criminal procedure. Due process. Arrest, search and seizure. Recent developments. Study and evaluation of evidence and proof.

0101	David Salem TuTh 8:00am - 9:15am	Seats (Total: 200) LEF 2205	

CCJS300 **Criminological and Criminal Justice Research Methods**

CCJS300 *(PermReq)* **Criminological and Criminal Justice Research Methods; (3 credits)** Grade Method: REG. GenEd: Distributive Studies - Scholarship in Practice. *Prerequisite: CCJS100 and CCJS105; and (PSYC200, CCJS200, ECON321, BMGT230, or SOCY201).* Introduction to the formulation of research questions covering crime and justice, research designs, data collection, and interpretation and reporting in criminological and justice-system settings.

0101	Laure Brooks MWF 9:00am - 9:50am	Seats (Total: 60) LEF 2166
0201	Laure Brooks MWF 11:00am - 11:50am	Seats (Total: 60) LEF 2166
0301	Alan Lehman TuTh 12:30pm - 1:45pm	Seats (Total: 60) CCC 1100
0401	Alan Lehman TuTh 11:00am - 12:15pm	Seats (Total: 60) CCC 1100
SG91	Wendy Stickle MW 11:00am - 12:15pm *Restricted to CCJS students at Shady Grove.*	Seats (Total: 40) Location: TBA

CCJS310 **Criminal Investigations**

CCJS310 *(PermReq)* **Criminal Investigations; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: CCJS100 and CCJS230. An introduction to modern methods used in detection, investigation, and solution of crime. Students will be taught basic and advanced investigative techniques utilized by law enforcement agencies. Analysis of actual cases will be used to demonstrate practical uses of these techniques. This section meets at Universities at Shady Grove.

SG91	Charles Jordan MW 9:30am - 10:45am *Registration is restricted to Biological Sciences-Shady Grove majors. Permission is required for all other students to enroll in courses at Shady Grove. Please email usgbioscie@umd.edu for permission.*	Seats (Total: 40) BLD2 3062

SG92	Robin Shusko MW 12:30pm - 1:45pm *Restricted to CCJS students at Shady Grove.*	Seats (Total: 40) Location: TBA	

CCJS320 **Introduction to Criminalistics**

CCJS320 *(PermReq)* **Introduction to Criminalistics; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: CCJS100 and CCJS230. An introduction to modern methods used in the detection, investigation and solution of crimes. Practical analysis of evidence in a crime laboratory, including fingerprints and other impressions, firearms ID and ballistics, hairs and fibers, document examination, and use of polygraph. Students will be separated into lab groups on Mondays and Wednesdays between 6 p.m. and 8:45 p.m. Students intending to take this course will need to leave these days and times available. Actual meeting days may vary. There are lab fees associated with this course.

0101	Thomas Mauriello MW 6:00pm - 7:15pm MW 6:00pm - 7:15pm	Seats (Total: 45) MMH 1400 MMH 2401	 Lab
0201	Thomas Mauriello MW 7:30pm - 8:45pm MW 7:30pm - 8:45pm	Seats (Total: 45) MMH 1400 MMH 2401	 Lab

CCJS330 **Contemporary Criminological Issues**

CCJS330 *(PermReq)* **Contemporary Criminological Issues; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: CCJS100 and CCJS105. Topics may include career criminals, prison overcrowding, prediction, ecological studies of crimes, family and delinquency, entrepreneurship in criminal justice and criminology, and similar criminological problems.

0101	Brendan Dooley MW 3:30pm - 4:45pm	Seats (Total: 75) ASY 1213	

CCJS331 **Contemporary Legal Policy Issues**

CCJS331 *(PermReq)* **Contemporary Legal Policy Issues; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: CCJS100 and CCJS230. In-depth examination of selected topics. Criminal responsibility. Socio-legal policy alternatives with regard to deviance. Law enforcement procedures for civil law and similar legal problems. Admissibility of evidence. Representation. Indigent's right to counsel.

0101	Christine Roberts White TuTh 11:00am - 12:15pm	Seats (Total: 75) TYD 2109
SG91	Michael Subin MW 12:30pm - 1:45pm *Restricted to CCJS students at Shady Grove.*	Seats (Total: 40) Location: TBA

CCJS340 **Policing**

CCJS340 *(PermReq)* **Policing; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: CCJS100; or students who have taken courses with similar or comparable course content may contact the department. Critical issues relating to policing. Topics include police discretion, role of police, use of force, misconduct, police research, administration, personnel, and etc.

0101	Laure Brooks MWF 10:00am - 10:50am	Seats (Total: 100) TYD 0117
0201	John Foust Tu 6:00pm - 8:45pm	Seats (Total: 180) SHM 2102
SG91	Nicole Romeiser TuTh 12:30pm - 1:45pm *Restricted to CCJS students at Shady Grove.*	Seats (Total: 40) Location: TBA

CCJS350 **Juvenile Delinquency**

CCJS350 *(PermReq)* **Juvenile Delinquency; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: CCJS105. Juvenile delinquency in relation to the general problem of crime; analysis of factors underlying juvenile delinquency; treatment and prevention; organization and social responsibility of law enforcement.

0101	Christine Roberts White MWF 9:00am - 9:50am	Seats (Total: 220) LEF 2205
0201	Jay Horner TuTh 11:00am - 12:15pm	Seats (Total: 141) SHM 2102
SG91	Christine Roberts White Tu 2:00pm - 3:15pm Class time/details on ELMs *Restricted to CCJS students at Shady Grove.*	Seats (Total: 40) Location: TBA ONLINE

CCJS352 **Drugs and Crime**

CCJS352 *(PermReq)* **Drugs and Crime; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: CCJS100.* An analysis of the role of criminal justice in the control of drug use and abuse.

0201	Arnett Gaston MW 11:00am - 12:15pm	Seats (Total: 100) TYD 0117
0301	Christine Roberts White MWF 12:00pm - 12:50pm	Seats (Total: 100) KEY 0102

CCJS358B **Special Topics in Study Abroad III; Criminology in Scandanavia**
Contact department for information to register for this course.

CCJS358E **Special Topics in Study Abroad III; Drugs and Drug Prevention in Central Europe**
Contact department for information to register for this course.

CCJS359 **Field Training in Criminology and Corrections**

CCJS359 *(PermReq)* **Field Training in Criminology and Corrections; (1-6 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisites: CCJS 105 or CRIM 220; and CCJS 350 or CRIM 450; and permission of department. For majors only.

Contact department for information to register for this course.

CCJS360 **Victimology**

CCJS360 *(PermReq)* **Victimology; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: CCJS105. Overview of the history and theory of victimology. Analysis of victimization patterns with special emphasis on types of victims and crimes. The interaction between victims of crime and the criminal justice system with respect to the role of the victim and the services offered to the victim.

SG91	Rebecca Morse	Seats (Total: 40)
	TuTh 12:30pm - 1:45pm	Location: TBA
	Restricted to CCJS students at Shady Grove.	

CCJS370 **Race, Crime and Criminal Justice**

CCJS370 *(PermReq)* **Race, Crime and Criminal Justice; (3 credits)** Grade Method: REG/P-F/AUD. CORE Diversity (D) Course. GenEd: Diversity - Understanding Plural Societies.
Prerequisite: CCJS100; or students who have taken courses with similar or comparable course content may contact the department. Role and treatment of racial/ethnic minorities in the criminal justice system. Course will provide students with historical and theoretical framework for understanding this dynamic.

0101	Kimberly Mehlman-Orozco	Seats (Total: 75)
	Tu 4:00pm - 6:45pm	LEF 2205

CCJS386 **Experiential Learning**

CCJS386 *(PermReq)* **Experiential Learning; (3 credits)** Grade Method: REG/P-F.
Individual Instruction course: contact department or instructor to obtain section number.
Restriction: Permission of BSOS-Criminology & Criminal Justice department; and Junior standing or higher.

Contact department for information to register for this course.

CCJS388H **Independent Reading Course in Criminology and Criminal Justice**

CCJS388H *(PermReq)* **Independent Reading Course in Criminology and Criminal Justice; (3 credits)** Grade Method: REG/P-F/AUD.
Permission only. For department Honors Students only.

0101	Denise Gottfredson Tu 1:00pm - 3:45pm	Seats (Total: 20) LEF 1221

CCJS389H **Independent Research in Criminology and Criminal Justice**

CCJS389H *(PermReq)* **Independent Research in Criminology and Criminal Justice; (1-6 credits)** Grade Method: REG/P-F/AUD.

0101	Denise Gottfredson F 1:00pm - 3:45pm	Seats (Total: 20) SQH 1105

CCJS398 **Law Enforcement Field Training**

CCJS398 *(PermReq)* **Law Enforcement Field Training; (1-6 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: junior standing. For majors only.

Contact department for information to register for this course.

CCJS399 **Independent Study in Criminology and Criminal Justice**

CCJS399 *(PermReq)* **Independent Study in Criminology and Criminal Justice; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: written consent of faculty under whose direction the study is to be performed, and at least twelve hours of CCJS credits.

Contact department for information to register for this course.

CCJS400 **Criminal Courts**

CCJS400 *(PermReq)* **Criminal Courts; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: CCJS100 and CCJS300; or permission of BSOS-Criminology & Criminal Justice department.* Criminal courts in the United States at all levels; judges, prosecutors, defenders, clerks, court administrators, and the nature of their jobs; problems facing courts and prosecutors today and problems of administration; reforms.

0101	David Mitchell TuTh 2:00pm - 3:15pm	Seats (Total: 50) PLS 1130

CCJS418J **Seminar in Criminology and Criminal Justice; Foreign Nationals and Crime**

CCJS418J *(PermReq)* **Seminar in Criminology and Criminal Justice: Foreign Nationals and Crime; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: CCJS100 and CCJS105.

0101	Kimberly Mehlman-Orozco	Seats (Total: 75)
	Th 4:00pm - 6:45pm	SQH 1120

CCJS432 **Law of Corrections**

CCJS432 *(PermReq)* **Law of Corrections; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: CCJS100, CCJS105, CCJS230, and CCJS300.* A review of the law of criminal corrections from sentencing to final release or release on parole. Probation, punishments, special treatments for special offenders, parole and pardon, and the prisoner's civil rights are also examined.

0101	Kimberly Mehlman-Orozco	Seats (Total: 75)
	TuTh 12:30pm - 1:45pm	TYD 2109

CCJS440 **Security Administration**

CCJS440 *(PermReq)* **Security Administration; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: CCJS100 and CCJS340. Credit only granted for: CCJS440 or CCJS498Z. Formerly: CCJS498Z. Designed to introduce students to the complex issues of Security Administration and the critical terrorism issues facing the nation. Emphasis is placed on understanding the historical and contemporary issues effecting U.S. Counterterrorism Policy. It also explores the challenges facing today's security administrators including: ethics, classified information, intelligence, terrorist organizations and incidents, physical and personnel security, transportation and border security issues.

0101	Barry Smith	Seats (Total: 50)
	W 6:00pm - 8:45pm	LEF 2205

CCJS444 **Advanced Law Enforcement Administration**

CCJS444 *(PermReq)* **Advanced Law Enforcement Administration; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: CCJS100 and CCJS340. The structuring of manpower, material, and systems to accomplish the major goals of social control. Personnel and systems management. Political controls and limitations on authority and jurisdiction.

SG91	David Gillespie, Luther Reynolds	Seats (Total: 40)
	MW 9:30am - 10:45am	Location: TBA
	Restricted to CCJS students at Shady Grove.	

CCJS451 **Crime and Delinquency Prevention**

CCJS451 *(PermReq)* **Crime and Delinquency Prevention; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: CCJS300. And CCJS350 or CCJS105; or permission of BSOS-Criminology & Criminal Justice department. Methods and programs in prevention of crime and delinquency.

0101	Brendan Dooley	Seats (Total: 96)
	TuTh 3:30pm - 4:45pm	KEY 0102

CCJS452 **Treatment of Criminals and Delinquents**

CCJS452 *(PermReq)* **Treatment of Criminals and Delinquents; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: CCJS300. And CCJS350 or CCJS105; or permission of BSOS-Criminology & Criminal Justice department. Processes and methods used to modify criminal and delinquent behavior.

0101	Arnett Gaston	Seats (Total: 75)
	MW 2:00pm - 3:15pm	TYD null

CCJS453 **White Collar and Organized Crime**

CCJS453 *(PermReq)* **White Collar and Organized Crime; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: CCJS300; and (CCJS350 or CCJS105). Definition, detection, prosecution, sentencing and impact of white collar and organized crime. Special consideration given to the role of federal law and enforcement practices.

SG91	John Conroy MW 11:00am - 12:15pm *Restricted to CCJS students at Shady Grove.*	Seats (Total: 40) Location: TBA

CCJS454 **Contemporary Criminological Theory**

CCJS454 *(PermReq)* **Contemporary Criminological Theory; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: CCJS350, CCJS300, and CCJS105. Brief historical overview of criminological theory up to the 50's. Deviance. Labeling. Typologies. Most recent research in criminalistic subcultures and middle class delinquency. Recent proposals for "decriminalization".

0101	David Maimon TuTh 11:00am - 12:15pm	Seats (Total: 50) TYD 2106

CCJS461 **Psychology of Criminal Behavior**

CCJS461 Psychology of Criminal Behavior; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: CCJS105; or students who have taken courses with similar or comparable course content may contact the department. And CCJS300. Biological, environmental, and personality factors which influence criminal behaviors. Biophysiology and crime, stress and crime, maladjustment patterns, psychoses, personality disorders, aggression and violent crime, sex-motivated crime and sexual deviations, alcohol and drug abuse, and criminal behavior.

0101	David Bierie Th 4:00pm - 6:45pm	Seats (Total: 50) TYD 2109

CCJS498A **Selected Topics in Criminology and Criminal Justice: Women and Crime**

CCJS498A *(PermReq)* **Selected Topics in Criminology and Criminal Justice: Women and Crime; (3 credits)** Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Prerequisite: CCJS105. Department permission required.

0101	Megan Augustyn TuTh 9:30am - 10:45am	Seats (Total: 150) MMH 1400

CCJS498P **Selected Topics in Criminology and Criminal Justice; The Global Study of Sex and Oppression**

CCJS498P *(PermReq)* **Selected Topics in Criminology and Criminal Justice: The Global Study of Sex and Oppression; (3 credits)** Grade Method: REG/P-F/AUD.

SG91	Elizabeth da Rosa	Seats (Total: 40)
	Tu 8:00am - 10:45am	Location: TBA
	Restricted to CCJS students at Shady Grove.	

CCJS600 **Criminal Justice**

CCJS600 Criminal Justice; (3 credits) Grade Method: REG/AUD.
Restriction: Must be in one of the following programs (Criminology and Criminal Justice (Master's); Criminology and Criminal Justice (Doctoral)) ; or permission of BSOS-Criminology & Criminal Justice department. Formerly: CJUS600. Current concept of criminal justice in relationship to other concepts in the field. Historical perspective. Criminal justice and social control. Operational implications. Systemic aspects. Issues of evaluation.

0101	Brian Johnson	Seats (Total: 20)
	W 4:00pm - 6:45pm	LEF 1201

CCJS601 **Policing**
Contact department for information to register for this course.

CCJS604 **Policy Analysis Project**

CCJS604 *(PermReq)* **Policy Analysis Project; (3 credits)** Grade Method: REG.
Individual Instruction course: contact department or instructor to obtain section number.
An application of statistical and conceptual tools to criminal justice data in the student's area of concentration, resulting in a paper reporting the conceptualization, analytic methods and results. The topic of the independent study will be chosen through individual consultation with the instructor.

Contact department for information to register for this course.

CCJS605 **Program Evaluation for Criminal Justice**
Contact department for information to register for this course.

CCJS611 **Statistical Tools for Criminal Justice**
Contact department for information to register for this course.

CCJS620 **Fundamentals of Criminological Research**

CCJS620 Fundamentals of Criminological Research; (3 credits) Grade Method: REG/AUD.
Credit only granted for: CCJS498D or CCJS620. Formerly: CCJS498D. Designed to help criminology students understand and apply three important components of statistics: decriptive statistics (including probability theory), fundamentals of statistical inference, and regression analysis. Course assumes familiarity with basic descriptive statistics. The emphasis of the classes on descriptive statistics is the calculation and interpretation of summary statistical measures for describing raw data. Covers the basic rules of probability and different probabilistic processes that could describe criminal activity. The sessions on fundamentals of statistical inferences are designed to provide background for executing and interpreting hypothesis tests and confidence intervals. The latter portion of the course focuses on regession analysis. Uses the statistical software, Stata.

0101	Laura Dugan	Seats (Total: 35)
	Th 4:00pm - 6:45pm	KEY 0116

CCJS653 **Seminar in Corrections**

CCJS653 Seminar in Corrections; (3 credits) Grade Method: REG/AUD.
Prerequisite: CCJS651; or students who have taken courses with similar or comparable course content may contact the department. Formerly: CRIM653. Development, operation and future of correctional systems.

0101	Kiminori Nakamura	Seats (Total: 20)
	Tu 4:00pm - 6:45pm	LEF 1221

CCJS654 **History of Criminological Thought**

CCJS654 History of Criminological Thought; (3 credits) Grade Method: REG/AUD.
Prerequisite: CCJS454; or students who have taken courses with similar or comparable course content may contact the department. Formerly: CRIM654. A study of the development of criminological thought from antiquity to the present.

0101	Raymond Paternoster TuTh 2:00pm - 3:15pm	Seats (Total: 20) LEF 1222

CCJS667 **Innovations in Policing: Programs, Policies and Research**

CCJS667 Innovations in Policing: Programs, Policies and Research; (3 credits) Grade Method: REG/AUD.
Credit only granted for: CCJS667 or CCJS699W. Formerly: CCJS699W. Examine the factors that have led to recent police innovations and recent innovations in the study of policing. Critically explores the effects of such policies on crime and disorder, on research practices, as well as unintended consequences on community, police abuse and police organization. Which policies have been found to be effective? What types of practices work most effectively for what type of crime and disorder problems? Has there been sufficient research for us to come to solid conclusions regarding these questions? Does present research fit the practices of the police?

0101	Lawrence Sherman F 12:00pm - 2:45pm	Seats (Total: 20) LEF 2208

CCJS678B **Advanced Topics in Criminology and Criminal Justice; Alternative to Criminal Processing**
Contact department for information to register for this course.

CCJS678F **Advanced Topics in Criminology and Criminal Justice; Criminal Law**
Contact department for information to register for this course.

CCJS678J **Advanced Topics in Criminology and Criminal Justice; Jurisprudence**
Contact department for information to register for this course.

CCJS699 **Special Criminological Problems**

CCJS699 Special Criminological Problems; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CCJS699D **Special Criminological Problems; Professional Development**

CCJS699D Special Criminological Problems: Professional Development; (3 credits) Grade Method: REG/AUD.

0101	Jean McGloin Tu 10:00am - 12:45pm	Seats (Total: 20) LEF 2207	

CCJS699G **Special Criminological Problems; Intro to Spatial Data Analysis for Social Science Research**

CCJS699G Special Criminological Problems: Intro to Spatial Data Analysis for Social Science Research; (3 credits) Grade Method: REG/AUD.
Also offered as GVPT729G. Credit will only be granted for one of the following: CCJS699G or GVPT729G.

0101	James Gimpel M 3:15pm - 5:15pm Th 11:00am - 12:30pm	Seats (Total: 20) LEF LAB 4 LEF LAB 5	 Discussion

CCJS699J **Special Criminological Problems; Groups and Crime**

CCJS699J Special Criminological Problems: Groups and Crime; (3 credits) Grade Method: REG/AUD.

0101	Jean McGloin M 4:00pm - 6:45pm	Seats (Total: 20) LEF 1221	

CCJS710 **Advanced Research Methods in Criminology**

CCJS710 Advanced Research Methods in Criminology; (3 credits) Grade Method: REG/AUD.
Prerequisite: Must have completed an approved doctoral level statistics course. Formerly: CRIM710. Application of advanced research methods and data analysis strategies to criminological and criminal justice problems.

0101	Thomas Loughran Th 1:00pm - 3:45pm	Seats (Total: 17) JMZ 0120	

CCJS799 **Master's Thesis Research**

CCJS799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CCJS898 **Pre-Candidacy Research**

CCJS898 *(PermReq)* **Pre-Candidacy Research; (1-8 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CCJS899 **Doctoral Dissertation Research**

CCJS899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CHBE Chemical and Biomolecular Engineering Fall 2012

CHBE250 **Computer Methods in Chemical Engineering**

CHBE250 Computer Methods in Chemical Engineering; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: CHBE101; and completed or be concurrently enrolled in MATH246. Restriction: Must be in a major within ENGR-Chemical & Biomolecular Engineering department. Credit only granted for: CHBE250 or ENCH250. Formerly: ENCH250.
Algorithm development and application of software to the analysis of chemical engineering problems. File management and editing, graphics and numerical methods. Use of spreadsheets, statistics/math software and process simulators for the design of chemical process equipment.

0101	Raymond Adomaitis	Seats (Total: 70)	
	MWF 11:00am - 11:50am	JMP 3201	
	F 12:00pm - 12:50pm	CSS 2324	Discussion

CHBE301 **Chemical and Biomolecular Engineering Thermodynamics I**

CHBE301 *(PermReq)* **Chemical and Biomolecular Engineering Thermodynamics I; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: CHBE101. Corequisite: Concurrently enrolled in CHBE250 and MATH241. Restriction: Must be in Engineering: Chemical program; and permission of ENGR-Chemical & Biomolecular Engineering department. Credit only granted for: ENCH300 or CHBE301. Formerly: ENCH300. Principles of thermodynamics and their application to engineering problems. First and second laws of thermodynamics, properties of gases, liquids and solids, phase equilibrium, flow and non-flow systems, energy conversion, production of work from heat, thermodynamic analysis of processes, equilibrium stage operations and the thermodynamics of chemically reacting systems.

0101	Mikhail Anisimov	Seats (Total: 80)	
	TuTh 8:00am - 9:15am	CHE 2108	
	W 12:00pm - 12:50pm	CHE 2108	Discussion

CHBE410 **Statistics and Design of Experiments**

CHBE410 Statistics and Design of Experiments; (3 credits) Grade Method: REG/P-F/AUD.
Credit only granted for: CHBE410 or ENCH476. Formerly: ENCH476. An introduction to probability, statistics, and design of experiments for chemical engineers.

0101	Jeffery Klauda	Seats (Total: 100)
	TuTh 9:30am - 10:45am	ARM 0135

CHBE422 **Chemical and Biomolecular Engineering Transport Phenomena I**

CHBE422 Chemical and Biomolecular Engineering Transport Phenomena I; (3 credits) Grade Method: REG/P-F/AUD.
Credit only granted for: CHBE422 or ENCH422. Formerly: ENCH422. Principals of fluid dynamics as applied to model development and process design. Mass, momentum and energy conservation. Statics and surface tension. Equation of Continuity and Navier-Stokes Equation with application to laminar flow. Dimensional analysis. Macroscopic balances, Bernoulli Equation and friction factors with application to turbulent flow.

0101	Richard Calabrese	Seats (Total: 75)	
	TuTh 2:00pm - 3:15pm	CHE 2108	
	F 11:00am - 11:50am	CHE 2108	Discussion

CHBE440 **Chemical Kinetics and Reactor Design**

CHBE440 Chemical Kinetics and Reactor Design; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: CHBE301. Restriction: Must be in Engineering: Chemical program; and permission of ENGR-Chemical & Biomolecular Engineering department. Credit only granted for: CHBE440 or ENCH440. Formerly: ENCH440. Fundamentals of chemical reaction kinetics and their application to the design and operation of chemical reactors. Reaction rate theory, homogeneous reactions and catalysis electrochemical reactions. Catalytic reactor design.

0101	Srinivasa Raghavan	Seats (Total: 75)	
	MWF 2:00pm - 2:50pm	CHE 2110	
	W 1:00pm - 1:50pm	CHE 2110	Discussion

CHEM Chemistry Fall 2012

CHEM131 **Chemistry I - Fundamentals of General Chemistry**

The College of Computer, Mathematical and Natural Sciences enforces course prerequisites. Students who do not meet the course prerequisites will be administratively dropped from the course.

Registration in course sections which begin with "SEF*" are restricted to students admitted into the Science in the Evening Program, administer ed through the Office of Extended Studies. For complete information, visit:OES website , email:oes@umd.edu, or call 301-405-7762.

CHEM131 Chemistry I - Fundamentals of General Chemistry; (3 credits) Grade Method: REG. GenEd: Distributive Studies - Natural Science Lab(if taken with CHEM132).

Prerequisite: Must have math eligibility of MATH111 or higher. Corequisite: Concurrently enrolled in CHEM132. Credit only granted for: CHEM103, CHEM131, CHEM135, CHEM143 or CHEM146. Formerly: CHEM103. An overview of the Periodic Table, inorganic substances, ionic and covalent bonding, bulk properties of materials, chemical equilibrium, and quantitative chemistry. CHEM131 is the first course in a four-semester sequence for students majoring in the sciences, other than Chemistry and Biochemistry majors.

1121	Daniel Steffek MWF 8:00am - 8:50am Tu 8:00am - 8:50am	Seats (Total: 33) CHM 1407 CHM 2201	 Discussion
1122	Daniel Steffek MWF 8:00am - 8:50am Tu 9:30am - 10:20am	Seats (Total: 33) CHM 1407 CHM 2201	 Discussion
1125	Daniel Steffek MWF 8:00am - 8:50am Tu 12:30pm - 1:20pm	Seats (Total: 33) CHM 1407 CHM 2201	 Discussion
1141	Daniel Steffek MWF 8:00am - 8:50am Th 8:00am - 8:50am	Seats (Total: 20) CHM 1407 CHM 2201	 Discussion
1142	Daniel Steffek MWF 8:00am - 8:50am Th 9:30am - 10:20am	Seats (Total: 33) CHM 1407 CHM 2201	 Discussion

1145	Daniel Steffek MWF 8:00am - 8:50am Th 12:30pm - 1:20pm	Seats (Total: 33) CHM 1407 CHM 1224	Discussion
1221	Bryan Eichhorn MWF 10:00am - 10:50am Tu 8:00am - 8:50am	Seats (Total: 33) CHM 1407 CHM 0119	Discussion
1222	Bryan Eichhorn MWF 10:00am - 10:50am Tu 9:30am - 10:20am	Seats (Total: 33) CHM 1407 CHM 0119	Discussion
1224	Bryan Eichhorn MWF 10:00am - 10:50am Tu 11:00am - 11:50am	Seats (Total: 33) CHM 1407 CHM 0119	Discussion
1242	Bryan Eichhorn MWF 10:00am - 10:50am Th 9:30am - 10:20am	Seats (Total: 33) CHM 1407 CHM 0119	Discussion
1245	Bryan Eichhorn MWF 10:00am - 10:50am Th 12:30pm - 1:20pm	Seats (Total: 33) CHM 1407 CHM 0119	Discussion
1247	Bryan Eichhorn MWF 10:00am - 10:50am Th 2:00pm - 2:50pm	Seats (Total: 20) CHM 1407 CHM 0119	Discussion
1325	Christopher Jarzynski, Earle Stone MWF 11:00am - 11:50am Tu 12:30pm - 1:20pm	Seats (Total: 33) CHM 1407 CHM 0128	Discussion
1327	Christopher Jarzynski, Earle Stone MWF 11:00am - 11:50am Tu 2:00pm - 2:50pm	Seats (Total: 35) CHM 1407 CHM 0128	Discussion
1328	Christopher Jarzynski, Earle Stone MWF 11:00am - 11:50am Tu 3:30pm - 4:20pm	Seats (Total: 33) CHM 1407 CHM 0128	Discussion

1345	Earle Stone, Christopher Jarzynski MWF 11:00am - 11:50am Th 12:30pm - 1:20pm	Seats (Total: 33) CHM 1407 CHM 0128	Discussion
1347	Earle Stone, Christopher Jarzynski MWF 11:00am - 11:50am Th 2:00pm - 2:50pm	Seats (Total: 33) CHM 1407 CHM 0128	Discussion
1348	Earle Stone, Christopher Jarzynski MWF 11:00am - 11:50am Th 3:30pm - 4:20pm	Seats (Total: 33) CHM 1407 CHM 0128	Discussion
1525	Lee Friedman MWF 1:00pm - 1:50pm Tu 12:30pm - 1:20pm	Seats (Total: 33) CHM 1407 CSS 1113	Discussion
1527	Lee Friedman MWF 1:00pm - 1:50pm Tu 2:00pm - 2:50pm	Seats (Total: 33) CHM 1407 CHM 0119	Discussion
1528	Lee Friedman MWF 1:00pm - 1:50pm Tu 3:30pm - 4:20pm	Seats (Total: 20) CHM 1407 CHM 0122	Discussion
1545	Lee Friedman MWF 1:00pm - 1:50pm Th 12:30pm - 1:20pm	Seats (Total: 33) CHM 1407 PHY 0405	Discussion
1547	Lee Friedman MWF 1:00pm - 1:50pm Th 2:00pm - 2:50pm	Seats (Total: 33) CHM 1407 PHY 0405	Discussion
1548	Lee Friedman MWF 1:00pm - 1:50pm Th 3:30pm - 4:20pm	Seats (Total: 33) CHM 1407 PHY 0405	Discussion
FC01	Lenea Stocker TuTh 5:00pm - 6:15pm F 11:00am - 11:50am *Restricted to students in Freshmen Connection.*	Seats (Total: 32) CHM 1407 CHM 0127	Discussion

FC02	Lenea Stocker TuTh 5:00pm - 6:15pm F 12:00pm - 12:50pm	Seats (Total: 32) CHM 1407 CHM 0127	Discussion
	Restricted to students in Freshmen Connection.		
FC03	Lenea Stocker TuTh 5:00pm - 6:15pm F 1:00pm - 1:50pm	Seats (Total: 32) CHM 1407 CHM 0127	Discussion
	Restricted to students in Freshmen Connection.		
SEF1	Ajay Mallya M 6:30pm - 9:30pm W 6:30pm - 7:20pm	Seats (Total: 28) CHM 1402 CHM 0122	Discussion
	This section is restricted to students who enroll through the Science i Evening program and may not be added on Testudo. Click here for complete program details including program eligibility information, tuition and fee information and registration instructions.		

CHEM131S **Chemistry I - Fundamentals of General Chemistry**

CHEM131S Chemistry I - Fundamentals of General Chemistry; (3 credits) Grade Method: REG. GenEd: Distributive Studies - Natural Science Lab(if taken with CHEM132).
Prerequisite: Must have math eligibility of MATH111 or higher. Corequisite: Concurrently enrolled in CHEM132. Credit only granted for: CHEM103, CHEM131, CHEM135, CHEM143 or CHEM146. Formerly: CHEM103. An overview of the Periodic Table, inorganic substances, ionic and covalent bonding, bulk properties of materials, chemical equilibrium, and quantitative chemistry. CHEM131 is the first course in a four-semester sequence for students majoring in the sciences, other than Chemistry and Biochemistry majors. Restricted to College Park Scholars - Life Sciences.

1141	Daniel Steffek MWF 8:00am - 8:50am Th 8:00am - 8:50am	Seats (Total: 20) CHM 1407 CHM 2201	Discussion
1247	Bryan Eichhorn MWF 10:00am - 10:50am Th 2:00pm - 2:50pm	Seats (Total: 20) CHM 1407 CHM 0119	Discussion

1327	Earle Stone, Christopher Jarzynski MWF 11:00am - 11:50am Tu 2:00pm - 2:50pm	Seats (Total: 4) CHM 1407 CHM 0128	 Discussion
1528	Lee Friedman MWF 1:00pm - 1:50pm Tu 3:30pm - 4:20pm	Seats (Total: 20) CHM 1407 CHM 0122	 Discussion

CHEM132 **General Chemistry I Laboratory**

CHEM132 General Chemistry I Laboratory; (1 credit) Grade Method: REG. *Corequisite: Concurrently enrolled in CHEM131. Credit only granted for: CHEM103, CHEM132, CHEM136, CHEM143, or CHEM147. Formerly: CHEM103.* Introduction to the quanitification of chemical substances, including the concept of the mole and chemical stoichiometry. Additional work involves the synthesis of ionic substances and their qualitative characterization. Must be taken concurrently with CHEM131. Laboratory sessions will begin after the first lecture. Students must pay a $40.00 laboratory materials fee.

1122	Maryann Jones M 12:00pm - 2:50pm	Seats (Total: 24) CHM 1106	 Lab
1131	Maryann Jones M 3:00pm - 5:50pm	Seats (Total: 24) CHM 1105	 Lab
1133	Maryann Jones M 3:00pm - 5:50pm	Seats (Total: 24) CHM 1106	 Lab
1142	Maryann Jones M 6:00pm - 8:50pm	Seats (Total: 24) CHM 1105	 Lab
1211	Maryann Jones Tu 8:00am - 10:50am	Seats (Total: 24) CHM 1110	 Lab
1214	Maryann Jones Tu 8:00am - 10:50am	Seats (Total: 24) CHM 1105	 Lab
1221	Maryann Jones Tu 12:30pm - 3:20pm	Seats (Total: 24) CHM 1105	 Lab

1222	Maryann Jones Tu 12:30pm - 3:20pm	Seats (Total: 24) CHM 1111	Lab
1232	Maryann Jones Tu 3:30pm - 6:20pm	Seats (Total: 24) CHM 1112	Lab
1240	Maryann Jones Tu 6:30pm - 9:20pm	Seats (Total: 24) CHM 1106	Lab
1241	Maryann Jones Tu 6:30pm - 9:20pm	Seats (Total: 24) CHM 1110	Lab
1321	Maryann Jones W 12:00pm - 2:50pm	Seats (Total: 24) CHM 1105	Lab
1331	Maryann Jones W 4:00pm - 6:50pm	Seats (Total: 24) CHM 1112	Lab
1332	Maryann Jones W 3:00pm - 5:50pm	Seats (Total: 24) CHM 1105	Lab
1333	Maryann Jones W 3:00pm - 5:50pm	Seats (Total: 24) CHM 1106	Lab
1334	Maryann Jones W 3:00pm - 5:50pm	Seats (Total: 24) CHM 1110	Lab
1423	Maryann Jones Th 12:30pm - 3:20pm	Seats (Total: 24) CHM 1112	Lab
1433	Maryann Jones Th 3:30pm - 6:20pm	Seats (Total: 24) CHM 1110	Lab
1435	Maryann Jones Th 3:30pm - 6:20pm	Seats (Total: 24) CHM 1111	Lab
1436	Maryann Jones Th 3:30pm - 6:20pm	Seats (Total: 24) CHM 1112	Lab
1523	Maryann Jones F 12:00pm - 2:50pm	Seats (Total: 24) CHM 1110	Lab

FC01	Maryann Jones M 6:00pm - 8:50pm	Seats (Total: 24) CHM 1106	Lab
	Restricted to students in Freshmen Connection.		
FC02	Maryann Jones F 8:00am - 10:50am	Seats (Total: 24) CHM 1106	Lab
	Restricted to students in Freshmen Connection.		
FC03	Maryann Jones F 8:00am - 10:50am	Seats (Total: 24) CHM 1105	Lab
	Restricted to students in Freshmen Connection.		
FC04	Maryann Jones F 8:00am - 10:50am	Seats (Total: 24) CHM 1110	Lab
	Restricted to students in Freshmen Connection.		
SEF1	Maryann Jones W 7:30pm - 10:30pm	Seats (Total: 24) CHM 1111	Lab
	This section is restricted to students who enroll through the Science i Evening program and may not be added on Testudo. Click here for complete program details including program eligibility information, tuition and fee information and registration instructions.		

CHEM132C **General Chemistry I Laboratory**

CHEM132C General Chemistry I Laboratory; (1 credit) Grade Method: REG/P-F. GenEd: Distributive Studies - Natural Science Lab.
Corequisite: Concurrently enrolled in CHEM131. Credit only granted for: CHEM103, CHEM132, CHEM136, CHEM143, or CHEM147. Formerly: CHEM103. Introduction to the quanitification of chemical substances, including the concept of the mole and chemical stoichiometry. Additional work involves the synthesis of ionic substances and their qualitative characterization. Must be taken concurrently with CHEM131. Restricted to new freshmen and new transfer students in Biological Scien ce, Chemistry or Biochemistry.

1121	Maryann Jones M 12:00pm - 2:50pm	Seats (Total: 24) CHM 1105	Lab
1132	Maryann Jones M 3:00pm - 5:50pm	Seats (Total: 24) CHM 1112	Lab

1212	Maryann Jones Tu 8:00am - 10:50am	Seats (Total: 24) CHM 1111	Lab
1231	Maryann Jones Tu 3:30pm - 6:20pm	Seats (Total: 24) CHM 1105	Lab
1234	Maryann Jones Tu 3:30pm - 6:20pm	Seats (Total: 24) CHM 1106	Lab
1411	Maryann Jones Th 8:00am - 10:50am	Seats (Total: 24) CHM 1111	Lab
1421	Maryann Jones Th 12:30pm - 3:20pm	Seats (Total: 24) CHM 1105	Lab
1432	Maryann Jones Th 3:30pm - 6:20pm	Seats (Total: 24) CHM 1105	Lab
1521	Maryann Jones F 12:00pm - 2:50pm	Seats (Total: 24) CHM 1105	Lab

CHEM132S **General Chemistry I Laboratory**

CHEM132S General Chemistry I Laboratory; (1 credit) Grade Method: REG. GenEd: Distributive Studies - Natural Science Lab.
Corequisite: Concurrently enrolled in CHEM131. Credit only granted for: CHEM103, CHEM132, CHEM136, CHEM143, or CHEM147. Formerly: CHEM103. Introduction to the quanitification of chemical substances, including the concept of the mole and chemical stoichiometry. Additional work involves the synthesis of ionic substances and their qualitative characterization. Must be taken concurrently with CHEM131. Laboratory sessions will begin after the first lecture. Students must pay a $40.00 laboratory materials fee. Restricted to College Park Scholars - Life Sciences.

1213	Maryann Jones Tu 8:00am - 10:50am	Seats (Total: 24) CHM 1112	Lab
1233	Maryann Jones Tu 3:30pm - 6:20pm	Seats (Total: 24) CHM 1110	Lab

1431	Maryann Jones Th 3:30pm - 6:20pm	Seats (Total: 24) CHM 1106	Lab

CHEM135 **General Chemistry for Engineers**

CHEM135 General Chemistry for Engineers; (3 credits) Grade Method: REG. *Prerequisite: Completed or be concurrently enrolled in MATH115. Credit only granted for: CHEM103, CHEM113, CHEM131, CHEM135, CHEM143, or CHEM153.* The nature and composition of matter, solutions, chemical reactions, equilibria, and electrochemistry, with applications to various fields of engineering.

3125	Bonnie Dixon MWF 12:00pm - 12:50pm Tu 12:30pm - 1:20pm	Seats (Total: 50) CHM 1407 CHM 0115	Discussion
3127	Bonnie Dixon MWF 12:00pm - 12:50pm Tu 2:00pm - 2:50pm	Seats (Total: 50) CHM 1407 CHM 0115	Discussion
3128	Bonnie Dixon MWF 12:00pm - 12:50pm Tu 3:30pm - 4:20pm	Seats (Total: 50) CHM 1407 CHM 0115	Discussion
3145	Bonnie Dixon MWF 12:00pm - 12:50pm Th 12:30pm - 1:20pm	Seats (Total: 50) CHM 1407 CHM 0115	Discussion
3147	Bonnie Dixon MWF 12:00pm - 12:50pm Th 2:00pm - 2:50pm	Seats (Total: 50) CHM 1407 CHM 0115	Discussion
3148	Bonnie Dixon MWF 12:00pm - 12:50pm Th 3:30pm - 4:20pm	Seats (Total: 50) CHM 1407 CHM 0115	Discussion
3225	Andrei Vedernikov MWF 2:00pm - 2:50pm Tu 12:30pm - 1:20pm	Seats (Total: 50) CHM 1407 SPH 1303	Discussion

3227	Andrei Vedernikov MWF 2:00pm - 2:50pm Tu 2:00pm - 2:50pm	Seats (Total: 50) CHM 1407 CCC 1205	Discussion
3228	Andrei Vedernikov MWF 2:00pm - 2:50pm Tu 3:30pm - 4:20pm	Seats (Total: 50) CHM 1407 JMZ 0105	Discussion
3245	Andrei Vedernikov MWF 2:00pm - 2:50pm Th 12:30pm - 1:20pm	Seats (Total: 50) CHM 1407 CSS 1113	Discussion
3247	Andrei Vedernikov MWF 2:00pm - 2:50pm Th 2:00pm - 2:50pm	Seats (Total: 50) CHM 1407 CHE 2110	Discussion
3248	Andrei Vedernikov MWF 2:00pm - 2:50pm Th 3:30pm - 4:20pm	Seats (Total: 50) CHM 1407 PHY 1402	Discussion
3325	Janice Reutt-Robey MWF 3:00pm - 3:50pm Tu 12:30pm - 1:20pm	Seats (Total: 50) BRB 1101 MMH 1304	Discussion
3327	Janice Reutt-Robey MWF 3:00pm - 3:50pm Tu 2:00pm - 2:50pm	Seats (Total: 50) BRB 1101 CHM 2201	Discussion
3328	Janice Reutt-Robey MWF 3:00pm - 3:50pm Tu 3:30pm - 4:20pm	Seats (Total: 50) BRB 1101 CHM 2201	Discussion
3345	Janice Reutt-Robey MWF 3:00pm - 3:50pm Th 12:30pm - 1:20pm	Seats (Total: 50) BRB 1101 CHM 2201	Discussion
3347	Janice Reutt-Robey MWF 3:00pm - 3:50pm Th 2:00pm - 2:50pm	Seats (Total: 50) BRB 1101 CHM 2201	Discussion

3348	Janice Reutt-Robey MWF 3:00pm - 3:50pm Th 3:30pm - 4:20pm	Seats (Total: 50) BRB 1101 CHM 2201	Discussion
FC01	Michael Warehime TuTh 5:00pm - 6:15pm F 11:00am - 11:50am *Restricted to students in Freshmen Connection.*	Seats (Total: 32) PLS 1140 CHM 0128	Discussion
FC02	Michael Warehime TuTh 5:00pm - 6:15pm F 12:00pm - 12:50pm *Restricted to students in Freshmen Connection.*	Seats (Total: 32) PLS 1140 CHM 0128	Discussion
FC03	Michael Warehime TuTh 5:00pm - 6:15pm F 1:00pm - 1:50pm *Restricted to students in Freshmen Connection.*	Seats (Total: 32) PLS 1140 CHM 0128	Discussion

CHEM136 **General Chemistry Laboratory for Engineers**

CHEM136 General Chemistry Laboratory for Engineers; (1 credit) Grade Method: REG.

Prerequisite: Completed or be concurrently enrolled in CHEM135. Restriction: Must be in a major in ENGR-A. James Clark School of Engineering. A laboratory course for engineering majors intending to take CHEM231 and CHEM232. There is a $40.00 lab fee for this course.

0117	Natalia White M 4:00pm - 6:50pm	Seats (Total: 24) CHM 1111	Lab
0118	Natalia White M 4:00pm - 6:50pm	Seats (Total: 24) CHM 1110	Lab
0127	Natalia White Tu 3:30pm - 6:20pm	Seats (Total: 24) CHM 1111	Lab
0137	Natalia White W 4:00pm - 6:50pm	Seats (Total: 24) CHM 1111	Lab

0147	Natalia White Th 12:30pm - 3:20pm	Seats (Total: 24) CHM 1111	Lab
0148	Natalia White Th 12:30pm - 3:20pm	Seats (Total: 24) CHM 1110	Lab

CHEM146 **Principles of General Chemistry**

CHEM146 Principles of General Chemistry; (3 credits) Grade Method: REG. *Prerequisite: Must have math eligibility of MATH115 or higher. Corequisite: Concurrently enrolled in CHEM147. Restriction: Must be in one of the following programs (Chemistry; Biochemistry). Credit only granted for: CHEM103, CHEM131, CHEM135, CHEM143, or CHEM146. Formerly: CHEM143.* An overview of the Periodic Table, inorganic substances, ionic and covalent bonding, bulk properties of materials, chemical equilibrium, and quantitative chemistry. CHEM146 is the first course in a four-semester sequence for Chemistry and Biochemistry majors.

0032	John Fourkas MWF 9:00am - 9:50am Tu 9:30am - 10:20am	Seats (Total: 18) CHM 1228 CHM 1224	Discussion
0033	John Fourkas MWF 9:00am - 9:50am Th 9:30am - 10:20am	Seats (Total: 18) CHM 1228 CHM 1224	Discussion

CHEM147 **Principles of Chemistry Laboratory**

CHEM147 Principles of Chemistry Laboratory; (1 credit) Grade Method: REG/P-F. *Corequisite: Concurrently enrolled in CHEM146. Restriction: Must be in one of the following programs (Chemistry; Biochemistry). Credit only granted for: CHEM103, CHEM132, CHEM136, CHEM143, or CHEM147. Formerly: CHEM143.* Introduction to the synthesis and characterization of inorganic substances. Must be taken concurrently with CHEM146. Students must pay a $40.00 laboratory materials fee.

0031	Maryann Jones Th 11:00am - 2:50pm	Seats (Total: 24) CHM 1106	Lab
0035	Maryann Jones F 12:00pm - 3:50pm	Seats (Total: 24) CHM 1106	Lab

CHEM231 **Organic Chemistry I**

CHEM231 Organic Chemistry I; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: CHEM131 and CHEM132; or (CHEM135 and CHEM136); or (CHEM146 and CHEM147). And A grade of C- or better in the prerequisites is required of College of Computer, Mathematical, and Natural Sciences majors and recommended for all students. Credit only granted for: CHEM104, CHEM231, CHEM233 or CHEM237. Formerly: CHEM233.* The chemistry of carbon: aliphatic compounds, aromatic compounds, stereochemistry, arenes, halides, alcohols, esters and spectroscopy.

5125	Herman Ammon MWF 9:00am - 9:50am Tu 12:30pm - 1:20pm	Seats (Total: 40) CHM 1407 CHM 1228	Discussion
5127	Herman Ammon MWF 9:00am - 9:50am Tu 2:00pm - 2:50pm	Seats (Total: 40) CHM 1407 CHM 1228	Discussion
5128	Herman Ammon MWF 9:00am - 9:50am Tu 3:30pm - 4:20pm	Seats (Total: 40) CHM 1407 CHM 1228	Discussion
5145	Herman Ammon MWF 9:00am - 9:50am Th 12:30pm - 1:20pm	Seats (Total: 40) CHM 1407 BPS 0283	Discussion
5147	Herman Ammon MWF 9:00am - 9:50am Th 2:00pm - 2:50pm	Seats (Total: 40) CHM 1407 CHM 1228	Discussion
5148	Herman Ammon MWF 9:00am - 9:50am Th 3:30pm - 4:20pm	Seats (Total: 40) CHM 1407 CHM 1228	Discussion
5215	Frederick Khachik TuTh 12:30pm - 1:45pm M 12:00pm - 12:50pm	Seats (Total: 40) CHM 1407 EGR 0110	Discussion
5216	Frederick Khachik TuTh 12:30pm - 1:45pm M 1:00pm - 1:50pm	Seats (Total: 40) CHM 1407 EGR 0110	Discussion

5217	Frederick Khachik TuTh 12:30pm - 1:45pm M 2:00pm - 2:50pm	Seats (Total: 40) CHM 1407 CHM 1224	Discussion
5235	Frederick Khachik TuTh 12:30pm - 1:45pm W 12:00pm - 12:50pm	Seats (Total: 40) CHM 1407 CHM 1228	Discussion
5236	Frederick Khachik TuTh 12:30pm - 1:45pm W 1:00pm - 1:50pm	Seats (Total: 40) CHM 1407 PHY 1201	Discussion
5237	Frederick Khachik TuTh 12:30pm - 1:45pm W 2:00pm - 2:50pm	Seats (Total: 40) CHM 1407 PHY 1201	Discussion
5315	Frederick Khachik TuTh 2:00pm - 3:15pm M 12:00pm - 12:50pm	Seats (Total: 40) CHM 1407 CHM 0115	Discussion
5316	Frederick Khachik TuTh 2:00pm - 3:15pm M 1:00pm - 1:50pm	Seats (Total: 40) CHM 1407 CHM 0115	Discussion
5317	Frederick Khachik TuTh 2:00pm - 3:15pm M 2:00pm - 2:50pm	Seats (Total: 40) CHM 1407 CHM 0115	Discussion
5335	Frederick Khachik TuTh 2:00pm - 3:15pm W 12:00pm - 12:50pm	Seats (Total: 40) CHM 1407 CHM 0115	Discussion
5336	Frederick Khachik TuTh 2:00pm - 3:15pm W 1:00pm - 1:50pm	Seats (Total: 40) CHM 1407 EGR 0110	Discussion
5337	Frederick Khachik TuTh 2:00pm - 3:15pm W 2:00pm - 2:50pm	Seats (Total: 40) CHM 1407 EGR 0110	Discussion

SEF1	Alan Anderson M 6:30pm - 9:30pm W 6:30pm - 7:20pm	Seats (Total: 22) CHM 1224 CHM 1224	 Discussion
	This section is restricted to students who enroll through the Science i Evening program and may not be added on Testudo. Click here for complete program details including program eligibility information, tuition and fee information and registration instructions.		
SEF2	Alan Anderson M 6:30pm - 9:30pm W 6:30pm - 7:20pm	Seats (Total: 22) CHM 1224 CHM 1228	 Discussion
	This section is restricted to students who enroll through the Science i Evening program and may not be added on Testudo. Click here for complete program details including program eligibility information, tuition and fee information and registration instructions.		

CHEM232 **Organic Chemistry Laboratory I**

CHEM232 Organic Chemistry Laboratory I; (1 credit) Grade Method: REG. *Prerequisite: CHEM131 and CHEM132; or (CHEM135 and CHEM136); or (CHEM146 and CHEM147). And A grade of C- or better in the prerequisites is required for College of Computer, Mathematical, and Natural Sciences majors and recommended for all students. Corequisite: Concurrently enrolled in CHEM231. Credit only granted for: CHEM104, CHEM231, CHEM233 or CHEM237. Formerly: CHEM233.* Provides experience in developing some basic laboratory techniques, recrystallizaton, distillation, extraction, chromatography. Laboratory sessions will begin after the first lecture of CHEM 231. Students must pay a $40.00 laboratory materials fee.

5121	Maryann Jones M 12:00pm - 2:50pm	Seats (Total: 18) CHM 1360	 Lab
5122	Maryann Jones M 12:00pm - 2:50pm	Seats (Total: 18) CHM 1356	 Lab
5123	Maryann Jones M 12:00pm - 2:50pm	Seats (Total: 18) CHM 1346	 Lab
5131	Maryann Jones M 3:00pm - 5:50pm	Seats (Total: 18) CHM 1360	 Lab
5132	Maryann Jones M 3:00pm - 5:50pm	Seats (Total: 18) CHM 1356	 Lab

5133	Maryann Jones M 3:00pm - 5:50pm	Seats (Total: 18) CHM 1346	Lab
5134	Maryann Jones M 3:00pm - 5:50pm	Seats (Total: 18) CHM 1342	Lab
5141	Maryann Jones M 6:00pm - 8:50pm	Seats (Total: 18) CHM 1342	Lab
5143	Maryann Jones M 6:00pm - 8:50pm	Seats (Total: 18) CHM 1356	Lab
5211	Maryann Jones Tu 8:00am - 10:50am	Seats (Total: 18) CHM 1342	Lab
5212	Maryann Jones Tu 8:00am - 10:50am	Seats (Total: 18) CHM 1360	Lab
5221	Maryann Jones Tu 12:30pm - 3:20pm	Seats (Total: 18) CHM 1356	Lab
5231	Maryann Jones Tu 3:30pm - 6:20pm	Seats (Total: 18) CHM 1356	Lab
5232	Maryann Jones Tu 3:30pm - 6:20pm	Seats (Total: 18) CHM 1346	Lab
5233	Maryann Jones Tu 3:30pm - 6:20pm	Seats (Total: 18) CHM 1342	Lab
5234	Maryann Jones Tu 3:30pm - 6:20pm	Seats (Total: 18) CHM 1360	Lab
5241	Maryann Jones Tu 6:30pm - 9:20pm	Seats (Total: 18) CHM 1360	Lab
5242	Maryann Jones Tu 6:30pm - 9:20pm	Seats (Total: 18) CHM 1342	Lab
5321	Maryann Jones W 12:00pm - 2:50pm	Seats (Total: 18) CHM 1342	Lab

5322	Maryann Jones W 12:00pm - 2:50pm	Seats (Total: 18) CHM 1356	Lab
5323	Maryann Jones W 12:00pm - 2:50pm	Seats (Total: 18) CHM 1346	Lab
5331	Maryann Jones W 3:00pm - 5:50pm	Seats (Total: 18) CHM 1360	Lab
5332	Maryann Jones W 3:00pm - 5:50pm	Seats (Total: 18) CHM 1356	Lab
5333	Maryann Jones W 3:00pm - 5:50pm	Seats (Total: 18) CHM 1346	Lab
5334	Maryann Jones W 3:00pm - 5:50pm	Seats (Total: 18) CHM 1342	Lab
5341	Maryann Jones W 6:00pm - 8:50pm	Seats (Total: 18) CHM 1360	Lab
5411	Maryann Jones Th 8:00am - 10:50am	Seats (Total: 18) CHM 1346	Lab
5421	Maryann Jones Th 12:30pm - 3:20pm	Seats (Total: 18) CHM 1346	Lab
5422	Maryann Jones Th 12:30pm - 3:20pm	Seats (Total: 18) CHM 1356	Lab
5431	Maryann Jones Th 3:30pm - 6:20pm	Seats (Total: 18) CHM 1346	Lab
5432	Maryann Jones Th 3:30pm - 6:20pm	Seats (Total: 18) CHM 1342	Lab
5521	Maryann Jones F 12:00pm - 2:50pm	Seats (Total: 18) CHM 1342	Lab
5522	Maryann Jones F 12:00pm - 2:50pm	Seats (Total: 18) CHM 1346	Lab

5523	Maryann Jones F 12:00pm - 2:50pm	Seats (Total: 18) CHM 1356	Lab
5531	Maryann Jones F 3:00pm - 5:50pm	Seats (Total: 17) CHM 1360	Lab
SEF1	Maryann Jones W 7:30pm - 10:30pm	Seats (Total: 18) CHM 1346	Lab
	This section is restricted to students who enroll through the Science i Evening program and may not be added on Testudo. Click here for complete program details including program eligibility information, tuition and fee information and registration instructions.		
SEF2	Maryann Jones W 7:30pm - 10:30pm	Seats (Total: 18) CHM 1342	Lab
	This section is restricted to students who enroll through the Science i Evening program and may not be added on Testudo. Click here for complete program details including program eligibility information, tuition and fee information and registration instructions.		

CHEM241 **Organic Chemistry II**

CHEM241 Organic Chemistry II; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: CHEM231 and CHEM232; or CHEM237. And A grade of C- or better in the prerequisites is required for College of Computer, Mathematical, and Natural Sciences majors and recommended for all students. Credit only granted for: CHEM241, CHEM243 or CHEM247. Formerly: CHEM243.* A continuation of CHEM231 with emphasis on molecular structure; substitution reactions; carbonium ions; aromaticity; synthetic processes; macromolecules.

6115	Jeffery Davis TuTh 8:00am - 9:15am M 12:00pm - 12:50pm	Seats (Total: 37) CHM 1407 CHM 0128	Discussion
6116	Jeffery Davis TuTh 8:00am - 9:15am M 1:00pm - 1:50pm	Seats (Total: 37) CHM 1407 CHM 0128	Discussion
6117	Jeffery Davis TuTh 8:00am - 9:15am M 2:00pm - 2:50pm	Seats (Total: 37) CHM 1407 CHM 0128	Discussion

6135	Jeffery Davis TuTh 8:00am - 9:15am W 12:00pm - 12:50pm	Seats (Total: 37) CHM 1407 CHM 0128	Discussion
6136	Jeffery Davis TuTh 8:00am - 9:15am W 1:00pm - 1:50pm	Seats (Total: 37) CHM 1407 CHM 0128	Discussion
6137	Jeffery Davis TuTh 8:00am - 9:15am W 2:00pm - 2:50pm	Seats (Total: 37) CHM 1407 CHM 0128	Discussion
6215	Jeffery Davis TuTh 9:30am - 10:45am M 12:00pm - 12:50pm	Seats (Total: 37) CHM 1407 CHM 0119	Discussion
6216	Jeffery Davis TuTh 9:30am - 10:45am M 1:00pm - 1:50pm	Seats (Total: 37) CHM 1407 CHM 0119	Discussion
6217	Jeffery Davis TuTh 9:30am - 10:45am M 2:00pm - 2:50pm	Seats (Total: 37) CHM 1407 CHM 0119	Discussion
6235	Jeffery Davis TuTh 9:30am - 10:45am W 12:00pm - 12:50pm	Seats (Total: 37) CHM 1407 CHM 0119	Discussion
6236	Jeffery Davis TuTh 9:30am - 10:45am W 1:00pm - 1:50pm	Seats (Total: 37) CHM 1407 CHM 0119	Discussion
6237	Jeffery Davis TuTh 9:30am - 10:45am W 2:00pm - 2:50pm	Seats (Total: 37) CHM 1407 CHM 0119	Discussion
6415	Michael Montague-Smith TuTh 2:00pm - 3:15pm M 12:00pm - 12:50pm	Seats (Total: 37) HJP 0226 CHM 2201	Discussion

6416	Michael Montague-Smith TuTh 2:00pm - 3:15pm M 1:00pm - 1:50pm	Seats (Total: 37) HJP 0226 CHM 2201	Discussion
6417	Michael Montague-Smith TuTh 2:00pm - 3:15pm M 2:00pm - 2:50pm	Seats (Total: 37) HJP 0226 CHM 2201	Discussion
6435	Michael Montague-Smith TuTh 2:00pm - 3:15pm W 12:00pm - 12:50pm	Seats (Total: 37) HJP 0226 CHM 2201	Discussion
6436	Michael Montague-Smith TuTh 2:00pm - 3:15pm W 1:00pm - 1:50pm	Seats (Total: 37) HJP 0226 CHM 2201	Discussion
6437	Michael Montague-Smith TuTh 2:00pm - 3:15pm W 2:00pm - 2:50pm	Seats (Total: 37) HJP 0226 CHM 2201	Discussion
SEF1	Howard Fribush M 6:30pm - 9:30pm W 6:30pm - 7:20pm	Seats (Total: 18) PLS 1140 PLS 1130	Discussion
	This section is restricted to students who enroll through the Science i Evening program and may not be added on Testudo. Click here for complete program details including program eligibility information, tuition and fee information and registration instructions.		
SEF2	Howard Fribush M 6:30pm - 9:30pm W 6:30pm - 7:20pm	Seats (Total: 19) PLS 1140 PLS 1130	Discussion
	This section is restricted to students who enroll through the Science i Evening program and may not be added on Testudo. Click here for complete program details including program eligibility information, tuition and fee information and registration instructions.		

CHEM242 Organic Chemistry Laboratory II

CHEM242 Organic Chemistry Laboratory II; (1 credit) Grade Method: REG. *Prerequisite: CHEM231 and CHEM232; or CHEM237. And A grade of C- or better in the prerequisites is required for College of Computer, Mathematical, and Natural Sciences majors and recommended for all students. Corequisite: Concurrently enrolled in CHEM241. Credit only granted for: CHEM243 or CHEM247. Formerly: CHEM243.* Synthetic organic chemistry through functional group manipulation, introduction to instrumentation essential to analysis and structure elucidation. Students must pay a $40.00 laboratory materials fee.

6121	Daniel Steffek M 12:00pm - 2:50pm	Seats (Total: 18) CHM 1302	Lab
6122	Daniel Steffek M 12:00pm - 2:50pm	Seats (Total: 18) CHM 1308	Lab
6123	Daniel Steffek M 12:00pm - 2:50pm	Seats (Total: 18) CHM 1326	Lab
6131	Daniel Steffek M 3:00pm - 5:50pm	Seats (Total: 18) CHM 1302	Lab
6132	Daniel Steffek M 3:00pm - 5:50pm	Seats (Total: 18) CHM 1308	Lab
6133	Daniel Steffek M 3:00pm - 5:50pm	Seats (Total: 18) CHM 1326	Lab
6141	Daniel Steffek M 6:00pm - 8:50pm	Seats (Total: 18) CHM 1302	Lab
6211	Daniel Steffek Tu 8:00am - 10:50am	Seats (Total: 18) CHM 1302	Lab
6221	Daniel Steffek Tu 12:30pm - 3:20pm	Seats (Total: 18) CHM 1308	Lab
6222	Daniel Steffek Tu 12:30pm - 3:20pm	Seats (Total: 18) CHM 1302	Lab
6223	Daniel Steffek Tu 12:30pm - 3:20pm	Seats (Total: 18) CHM 1330	Lab

6231	Daniel Steffek Tu 3:30pm - 6:20pm	Seats (Total: 18) CHM 1330	Lab
6232	Daniel Steffek Tu 3:30pm - 6:20pm	Seats (Total: 18) CHM 1302	Lab
6233	Daniel Steffek Tu 3:30pm - 6:20pm	Seats (Total: 18) CHM 1308	Lab
6242	Daniel Steffek Tu 6:30pm - 9:20pm	Seats (Total: 18) CHM 1302	Lab
6311	Daniel Steffek W 8:00am - 10:50am	Seats (Total: 18) CHM 1330	Lab
6321	Daniel Steffek W 12:00pm - 2:50pm	Seats (Total: 18) CHM 1330	Lab
6322	Daniel Steffek W 12:00pm - 2:50pm	Seats (Total: 18) CHM 1308	Lab
6323	Daniel Steffek W 12:00pm - 2:50pm	Seats (Total: 18) CHM 1326	Lab
6331	Daniel Steffek W 3:00pm - 5:50pm	Seats (Total: 18) CHM 1308	Lab
6332	Daniel Steffek W 3:00pm - 5:50pm	Seats (Total: 18) CHM 1330	Lab
6333	Daniel Steffek W 3:00pm - 5:50pm	Seats (Total: 18) CHM 1326	Lab
6334	Daniel Steffek W 3:00pm - 5:50pm	Seats (Total: 18) CHM 1302	Lab
6411	Daniel Steffek Th 8:00am - 10:50am	Seats (Total: 18) CHM 1330	Lab
6421	Daniel Steffek Th 12:30pm - 3:20pm	Seats (Total: 18) CHM 1308	Lab

6423	Daniel Steffek Th 12:30pm - 3:20pm	Seats (Total: 18) CHM 1330	Lab
6424	Daniel Steffek Th 12:30pm - 3:20pm	Seats (Total: 18) CHM 1302	Lab
6431	Daniel Steffek Th 3:30pm - 6:20pm	Seats (Total: 18) CHM 1308	Lab
6432	Daniel Steffek Th 3:30pm - 6:20pm	Seats (Total: 18) CHM 1326	Lab
6433	Daniel Steffek Th 3:30pm - 6:20pm	Seats (Total: 18) CHM 1330	Lab
6434	Daniel Steffek Th 3:30pm - 6:20pm	Seats (Total: 18) CHM 1302	
6521	Daniel Steffek F 12:00pm - 2:50pm	Seats (Total: 18) CHM 1326	Lab
6522	Daniel Steffek F 12:00pm - 2:50pm	Seats (Total: 18) CHM 1330	Lab
6531	Daniel Steffek F 3:00pm - 5:50pm	Seats (Total: 18) CHM 1326	Lab
SEF1	Daniel Steffek W 7:30pm - 10:30pm	Seats (Total: 18) CHM 1308	Lab
	This section is restricted to students who enroll through the Science i Evening program and may not be added on Testudo. Click here for complete program details including program eligibility information, tuition and fee information and registration instructions.		
SEF2	Daniel Steffek W 7:30pm - 10:30pm	Seats (Total: 18) CHM 1326	Lab
	This section is restricted to students who enroll through the Science i Evening program and may not be added on Testudo. Click here for complete program details including program eligibility information, tuition and fee information and registration instructions.		

CHEM247 Principles of Organic Chemistry II

CHEM247 Principles of Organic Chemistry II; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Minimum grade of C- in CHEM237; or permission of CMNS-Chemistry & Biochemistry department. Restriction: Must be in one of the following programs (Chemistry; Biochemistry) ; or Must be an honors student. Credit only granted for: CHEM243 or CHEM247. A continuation of CHEM237 with emphasis on molecular structure, substitution reactions; carbonium ions; aromaticity; synthetic processes; macromolecules. Students must pay a $40.00 laboratory materials fee.

6101	Philip DeShong	Seats (Total: 18)	
	MWF 9:00am - 9:50am	CHM 1224	
	Th 11:00am - 2:50pm	CHM 1326	Lab
	Tu 9:30am - 10:20am	CHM 0122	Discussion

CHEM271 **General Chemistry and Energetics**

CHEM271 General Chemistry and Energetics; (2 credits) Grade Method: REG/P-F/AUD.
Prerequisite: CHEM241 and CHEM242; or CHEM247. And A grade of C- or better in the prerequisites for College of Computer, Mathematical, and Natural Sciences majors and recommended for all students. Corequisite: Concurrently enrolled in CHEM272. Credit only granted for: CHEM113, CHEM153, CHEM271 or CHEM276. Formerly: CHEM113. An introduction to the physical aspects of chemistry; chemical kinetics, thermodynamics and electrochemistry in the context of current chemistry research.

2222	Jason Kahn	Seats (Total: 27)	
	MW 11:00am - 11:50am	HJP 0226	
	Tu 9:30am - 10:20am	PLS 1113	Discussion
2225	Jason Kahn	Seats (Total: 27)	
	MW 11:00am - 11:50am	HJP 0226	
	Tu 12:30pm - 1:20pm	JMP 1109	Discussion
2227	Jason Kahn	Seats (Total: 27)	
	MW 11:00am - 11:50am	HJP 0226	
	Tu 2:00pm - 2:50pm	CHM 0122	Discussion
2242	Jason Kahn	Seats (Total: 27)	
	MW 11:00am - 11:50am	HJP 0226	
	Th 9:30am - 10:20am	PLS 1113	Discussion

2245	Jason Kahn MW 11:00am - 11:50am Th 12:30pm - 1:20pm	Seats (Total: 27) HJP 0226 PHY 1219	Discussion
2247	Jason Kahn MW 11:00am - 11:50am Th 2:00pm - 2:50pm	Seats (Total: 27) HJP 0226 PHY 1402	Discussion
2324	Jason Kahn MW 3:00pm - 3:50pm Tu 11:00am - 11:50am	Seats (Total: 27) CHM 1407 CHM 0127	Discussion
2325	Jason Kahn MW 3:00pm - 3:50pm Tu 12:30pm - 1:20pm	Seats (Total: 27) CHM 1407 BPS 1234	Discussion
2327	Jason Kahn MW 3:00pm - 3:50pm Tu 2:00pm - 2:50pm	Seats (Total: 27) CHM 1407 CHM 1224	Discussion
2344	Jason Kahn MW 3:00pm - 3:50pm Th 11:00am - 11:50am	Seats (Total: 27) CHM 1407 CHM 0127	Discussion
2345	Jason Kahn MW 3:00pm - 3:50pm Th 12:30pm - 1:20pm	Seats (Total: 27) CHM 1407 HBK 0115	Discussion
2347	Jason Kahn MW 3:00pm - 3:50pm Th 2:00pm - 2:50pm	Seats (Total: 27) CHM 1407 CHM 1224	Discussion
SEF1	Daniel Gowetski M 6:00pm - 7:50pm W 6:30pm - 7:20pm	Seats (Total: 20) CHM 1228 PLS 1176	Discussion
	This section is restricted to students who enroll through the Science i Evening program and may not be added on Testudo. Click here for complete program details including program eligibility information, tuition and fee information and registration instructions.		

CHEM272 General Bioanalytical Chemistry Laboratory

CHEM272 General Bioanalytical Chemistry Laboratory; (2 credits) Grade Method: REG/P-F.

Prerequisite: CHEM241 and CHEM242; or CHEM247. And A grade of C- or better in the prerequisites is required for College of Computer, Mathematical, and Natural Sciences majors and recommended for all students. Corequisite: Concurrently enrolled in CHEM271. Credit only granted for: CHEM227, CHEM272 or CHEM277. An introduction to analytical chemistry with an emphasis on bio-analytical instrumentation and techniques. Students must pay a $40.00 laboratory materials fee.

8132	Lee Friedman F 11:00am - 11:50am M 3:00pm - 5:50pm	Seats (Total: 24) HJP 0226 CHM 1128	 Lab
	This section is restricted to students who enroll through the Science i Evening program and may not be added on Testudo. Click here for complete program details including program eligibility information, tuition and fee information and registration instructions.		
8141	Lee Friedman F 11:00am - 11:50am M 6:00pm - 8:50pm	Seats (Total: 24) HJP 0226 CHM 1128	 Lab
8221	Lee Friedman F 11:00am - 11:50am Tu 12:30pm - 3:20pm	Seats (Total: 24) HJP 0226 CHM 1128	 Lab
8222	Lee Friedman F 11:00am - 11:50am Tu 12:30pm - 3:20pm	Seats (Total: 24) HJP 0226 CHM 1112	 Lab
8241	Lee Friedman F 11:00am - 11:50am Tu 6:30pm - 9:20pm	Seats (Total: 24) HJP 0226 CHM 1112	 Lab
8311	Lee Friedman F 11:00am - 11:50am W 8:00am - 10:50am	Seats (Total: 24) HJP 0226 CHM 1128	 Lab
8341	Lee Friedman F 11:00am - 11:50am W 7:10pm - 10:00pm	Seats (Total: 24) HJP 0226 CHM 1112	 Lab

8411	Lee Friedman F 11:00am - 11:50am Th 8:00am - 10:50am	Seats (Total: 24) HJP 0226 CHM 1128	 Lab
8432	Lee Friedman F 11:00am - 11:50am Th 3:30pm - 6:20pm	Seats (Total: 24) HJP 0226 CHM 1128	 Lab
8531	Lee Friedman F 11:00am - 11:50am F 3:00pm - 5:50pm	Seats (Total: 24) HJP 0226 CHM 1111	 Lab
9122	Lee Friedman F 3:00pm - 3:50pm M 12:00pm - 2:50pm	Seats (Total: 24) CHM 1407 CHM 1128	 Lab
9141	Lee Friedman F 3:00pm - 3:50pm M 6:00pm - 8:50pm	Seats (Total: 24) CHM 1407 CHM 1112	 Lab
9211	Lee Friedman F 3:00pm - 3:50pm Tu 8:00am - 10:50am	Seats (Total: 24) CHM 1407 CHM 1128	 Lab
9233	Lee Friedman F 3:00pm - 3:50pm Tu 3:30pm - 6:20pm	Seats (Total: 24) CHM 1407 CHM 1128	 Lab
9241	Lee Friedman F 3:00pm - 3:50pm Tu 6:30pm - 9:20pm	Seats (Total: 24) CHM 1407 CHM 1128	 Lab
9421	Lee Friedman F 3:00pm - 3:50pm Th 12:30pm - 3:20pm	Seats (Total: 24) CHM 1407 CHM 1128	 Lab
9521	Lee Friedman F 3:00pm - 3:50pm F 12:00pm - 2:50pm	Seats (Total: 24) CHM 1407 CHM 1111	 Lab

SEF1	Lee Friedman M 8:00pm - 8:50pm W 7:30pm - 10:30pm	Seats (Total: 20) CHM 1228 CHM 1128	 Lab
	This section is restricted to students who enroll through the Science i Evening program and may not be added on Testudo. Click here for complete program details including program eligibility information, tuition and fee information and registration instructions.		

CHEM277 **Fundamentals of Analytical and Bioanalytical Chemistry Laboratory**

CHEM277 Fundamentals of Analytical and Bioanalytical Chemistry Laboratory; (3 credits) Grade Method: REG.
Prerequisite: Minimum grade of C- in CHEM241 and CHEM242; or minimum grade of C- in CHEM247. Corequisite: Concurrently enrolled in CHEM276. Restriction: Must be in one of the following programs (Chemistry; Biochemistry). Credit only granted for: CHEM153, CHEM227, CHEM272 or CHEM277. Quantitative analysis, inorganic analytical chemistry, and an introduction to bio-analytical instrumentation and techniques.

0232	Lee Friedman M 12:00pm - 12:50pm WF 1:00pm - 3:50pm	Seats (Total: 24) CHM 1228 CHM 1112	 Lab
0233	Lee Friedman M 12:00pm - 12:50pm WF 1:00pm - 3:50pm	Seats (Total: 24) CHM 1228 CHM 1128	 Lab

CHEM398 **Special Projects**

CHEM398 *(PermReq)* **Special Projects; (2 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Limited to chemistry honors students. Consult with Dr. Ammon.

Contact department for information to register for this course.

CHEM399A **Introduction to Chemical Research**

CHEM399A *(PermReq)* **Introduction to Chemical Research; (1 credit)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CHEM399B **Introduction to Chemical Research**

CHEM399B *(PermReq)* **Introduction to Chemical Research; (2 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CHEM399C **Introduction to Chemical Research**

CHEM399C *(PermReq)* **Introduction to Chemical Research; (3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CHEM399X **Introduction to Chemical Research; Chemistry Instruction**

CHEM399X Introduction to Chemical Research: Chemistry Instruction; (3 credits) Grade Method: REG/P-F/AUD.

0101	Herman Ammon	Seats (Total: 8)
	Contact instructor or department for details.	

CHEM403 **Radiochemistry**

CHEM403 Radiochemistry; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: Must have completed one year of college chemistry and one year of college physics.* Radioactive decay; introduction to properties of atomic nuclei; nuclear processes in cosmology; chemical, biomedical and environmental applications of radioactivity; nuclear processes as chemical tools; interaction of radiation with matter.

0101	William Walters	Seats (Total: 45)
	MWF 12:00pm - 12:50pm	CHM 1224

CHEM425 **Instrumental Methods of Analysis**

CHEM425 Instrumental Methods of Analysis; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisite: CHEM272 and CHEM271; or (CHEM276 and CHEM277). Modern instrumentation in analytical chemistry. Electronics, spectroscopy, chromatography and electrochemistry. Students must pay a $40.00 laboratory materials fee.

0101	Neil Blough MW 10:00am - 10:50am MW 12:00pm - 2:50pm	Seats (Total: 10) CHM 0115 CHM 3228	 Lab
0102	Neil Blough MW 10:00am - 10:50am TuTh 12:30pm - 3:20pm	Seats (Total: 10) CHM 0115 CHM 3228	 Lab
0104	Neil Blough MW 10:00am - 10:50am TuTh 9:30am - 12:20pm	Seats (Total: 10) CHM 0115 CHM 3228	 Lab
0105	Neil Blough MW 10:00am - 10:50am MW 6:00pm - 8:50pm	Seats (Total: 10) CHM 0115 CHM 3228	 Lab
0109	Neil Blough MW 10:00am - 10:50am TuTh 6:30pm - 9:20pm	Seats (Total: 10) CHM 0115 CHM 3228	 Lab

CHEM441 **Advanced Organic Chemistry**

CHEM441 Advanced Organic Chemistry; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: CHEM481. Also offered as: CHEM641. An advanced study of the compounds of carbon, with special emphasis on molecular orbital theory and organic reaction mechanisms.

0101	Daniel Falvey MWF 8:00am - 8:50am	Seats (Total: 45) CHM 1224

CHEM460 **Structure Determination Using Spectroscopic Methods**

CHEM460 Structure Determination Using Spectroscopic Methods; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Must have completed CHEM243; or CHEM247; or (CHEM241 and CHEM242). Formerly: CHEM660. The use of infrared, ultraviolet-visible, proton and carbon-13 nuclear magnetic resonance and mass spectroscopy for structure determination in organic chemistry.

0101	Herman Sintim	Seats (Total: 40)
	MWF 10:00am - 10:50am	CHM 1402

CHEM474 **Environmental Chemistry**

CHEM474 Environmental Chemistry; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: CHEM481. The sources of various elements and chemical reactions between them in the atmosphere and hydrosphere are treated. Causes and biological effects of air and water pollution by certain elements are discussed.

0101	John Ondov	Seats (Total: 25)
	MWF 1:00pm - 1:50pm	CHM 1224

CHEM481 **Physical Chemistry I**

CHEM481 Physical Chemistry I; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Minimum grade of C- in CHEM135; or minimum grade of C- in CHEM272 and CHEM271; or minimum grade of C- in CHEM276 and CHEM277. And (PHYS142 and MATH141). A course primarily for chemists and chemical engineers.

0101	Zhihong Nie	Seats (Total: 106)
	MWF 9:00am - 9:50am	CHM 1402

CHEM482 **Physical Chemistry II**

CHEM482 Physical Chemistry II; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Minimum grade of C- in CHEM481. A course primarily for chemists and chemical engineers.

0101	Garegin Papoian	Seats (Total: 57)
	MWF 9:00am - 9:50am	CHM 0115

CHEM483 **Physical Chemistry Laboratory I**

CHEM483 Physical Chemistry Laboratory I; (2 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Completed or be concurrently enrolled in CHEM481. An introduction to the principles and application of quantitative techniques in physical chemical measurements. Experiments will be coordinated with topics in CHEM481. Students must pay a $40.00 laboratory materials fee.

0114	Earle Stone	Seats (Total: 18)	
	M 2:00pm - 5:00pm	CHM 3221	Lab
	M 1:00pm - 1:50pm	CHM 1228	Discussion
0124	Earle Stone	Seats (Total: 18)	
	Tu 2:00pm - 5:00pm	CHM 3221	Lab
	M 1:00pm - 1:50pm	CHM 1228	Discussion
0134	Earle Stone	Seats (Total: 18)	
	W 2:00pm - 5:00pm	CHM 3221	Lab
	W 1:00pm - 1:50pm	CHM 1228	Discussion
0144	Earle Stone	Seats (Total: 18)	
	Th 2:00pm - 5:00pm	CHM 3221	Lab
	W 1:00pm - 1:50pm	CHM 1228	Discussion

CHEM484 **Physical Chemistry Laboratory II**

CHEM484 Physical Chemistry Laboratory II; (2 credits) Grade Method: REG/P-F/AUD.
Prerequisite: CHEM481 and CHEM483; and completed or be concurrently enrolled in CHEM482. A continuation of CHEM 483. Advanced quantitative techniques necessary in physical chemical measurements. Experiments will be coordinated with topics in CHEM 482. Students must pay a $40.00 laboratory materials fee.

0124	Earle Stone	Seats (Total: 12)	
	Tu 2:30pm - 5:30pm	CHM 3217	Lab
	Tu 12:30pm - 1:20pm	CHM 0119	Discussion
0134	Earle Stone	Seats (Total: 12)	
	W 3:00pm - 6:00pm	Location: TBA	Lab
	Tu 12:30pm - 1:30pm	CHM 0119	Discussion

CHEM601 **Structure and Bonding of Molecules and Materials**

CHEM601 Structure and Bonding of Molecules and Materials; (3 credits) Grade Method: REG/AUD.
Development of the tools necessary to use the knowledge of structure and bonding of molecules and solids in the practice of synthetic inorganic and materials chemistry. Several bonding models are covered, from the simple valence bond and ligand field models to a quantitative group theoretical treatment of molecular orbital theory and band structure descriptions of solids. Concepts of electron counting and oxidation state and ligand characteristics are revisited in terms of the more sophisticated bonding models. Finally, these models are used to analyze the reactivity, magnetic and spectroscopic properties of inorganic coordination compounds. Prior advanced inorganic and/or advanced quantum chemistry courses are not prerequisites.

0101	Efrain Rodriguez	Seats (Total: 20)
	MWF 10:00am - 10:50am	CHM 0122

CHEM608K **Selected Topics in Inorganic Chemistry; Chemistry Teaching and Learning in Higher Education**

CHEM608K *(PermReq)* **Selected Topics in Inorganic Chemistry: Chemistry Teaching and Learning in Higher Education; (2 credits)** Grade Method: REG/AUD. Also offered as BIOL608K, CBMG699K, and ENTM699K. Credit will be granted for only one of the following: BIOL608K, CBMG699K, CHEM608K, or ENTM699K.

0101	Gili Ad-Marbach	Seats (Total: 28)
	W 12:00pm - 1:40pm	BPS 1208

CHEM611 **Professional Skills for New Graduate Students**

CHEM611 Professional Skills for New Graduate Students; (1 credit) Grade Method: REG/AUD.
Restriction: Must be in one of the following programs (Chemistry (Master's); Biochemistry (Master's); Biochemistry (Doctoral); Chemistry (Doctoral)) ; and Must be a new graduate student. Covers a wide range of topics in professional development for new graduate students.

0101	Lyle Isaacs	Seats (Total: 35)
	F 2:00pm - 2:50pm	CHM 1228

CHEM626 **Metrology for Chemistry and Biochemistry**

CHEM626 Metrology for Chemistry and Biochemistry; (3 credits) Grade Method: REG/AUD.
Prerequisite: CHEM481. Metrology, the science of measurement, provides the tools required by decision makers to use measurement results to make confident decisions: normative international documents, specialized vocabulary, basic statistics, experimental design.

0101	Marc Salit , David Duewer W 5:00pm - 8:00pm	Seats (Total: 30) Location: TBA

CHEM640 **Problems in Organic Reaction Mechanisms**

CHEM640 Problems in Organic Reaction Mechanisms; (1 credit) Grade Method: REG/AUD.
A tutorial type course dealing with the basic description of the fundamentals of writing organic reaction mechanisms.

0101	Lyle Isaacs F 12:00pm - 12:50pm	Seats (Total: 20) CHM 1228

CHEM641 **Organic Reaction Mechanisms**

CHEM641 Organic Reaction Mechanisms; (3 credits) Grade Method: REG/AUD.
Also offered as: CHEM441.

0101	Daniel Falvey MWF 8:00am - 8:50am	Seats (Total: 45) CHM 1224

CHEM684 **Chemical Thermodynamics**

CHEM684 Chemical Thermodynamics; (3 credits) Grade Method: REG/AUD.
Prerequisite: CHEM482; or students who have taken courses with similar or comparable course content may contact the department.

0101	John Weeks TuTh 11:00am - 12:15pm	Seats (Total: 27) CHM 1228

CHEM689 **Special Topics in Physical Chemistry; Instrument Interfacing**

CHEM689 Special Topics in Physical Chemistry: Instrument Interfacing; (3 credits) Grade Method: REG/AUD.

0101	Amy Mullin TuTh 8:00am - 9:15am	Seats (Total: 20) CHM 3222

CHEM690 **Quantum Chemistry I**

CHEM690 Quantum Chemistry I; (3 credits) Grade Method: REG/AUD.
Prerequisite: CHEM 485.

0101	YuHuang Wang TuTh 9:30am - 10:45am	Seats (Total: 20) CHM 1228

CHEM699 **Special Problems in Chemistry**

CHEM699 Special Problems in Chemistry; (1-6 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Open only to non-thesis Master's degree candidates.

Contact department for information to register for this course.

CHEM799 **Master's Thesis Research**

CHEM799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CHEM889A **Seminar; Analytical, Nuclear and Environmental Chemistry**

CHEM889A Seminar: Analytical, Nuclear and Environmental Chemistry; (1 credit) Grade Method: REG/AUD.

0101	Alice Mignerey F 3:00pm - 4:50pm	Seats (Total: 15) CHM 1224

CHEM889C **Seminar; Inorganic**

CHEM889C Seminar: Inorganic; (1 credit) Grade Method: REG/AUD.

0101	Daniel Falvey F 1:00pm - 1:50pm	Seats (Total: 10) CHM 1228

CHEM889D **Seminar; Organic**

CHEM889D Seminar: Organic; (1 credit) Grade Method: REG/AUD.

0101	Daniel Falvey Th 11:00am - 12:30pm	Seats (Total: 20) Location: TBA

CHEM889E **Seminar; Physical Chemistry**

CHEM889E Seminar: Physical Chemistry; (1 credit) Grade Method: REG/AUD. Also offered as CHEM898F and CHPH709A. Credit will be granted for one of the following: CHEM889E, CHEM889F, or CHPH709A.

0101	Zhihong Nie W 11:00am - 11:50am	Seats (Total: 15) Location: TBA

CHEM889F **Seminar; Chemical Physics**

CHEM889F Seminar: Chemical Physics; (1 credit) Grade Method: REG/AUD. Also offered as CHEM898E and CHPH709A. Credit will be granted for one of the following: CHEM889E, CHEM889F, or CHPH709A.

0101	Zhihong Nie W 11:00am - 11:50am	Seats (Total: 15) Location: TBA

CHEM889G **Seminar; Physical Organic**

CHEM889G Seminar: Physical Organic; (1 credit) Grade Method: REG/AUD.

0101	Instructor: TBA Contact instructor or department for details.	Seats (Total: 5)

CHEM889M **Seminar; Materials Chemistry**

CHEM889M Seminar: Materials Chemistry; (1 credit) Grade Method: REG/AUD.

0101	Zhihong Nie	Seats (Total: 5)
	Contact instructor or department for details.	

CHEM889P **Seminar; Structure and Reactivity of Biopolymers**

CHEM889P Seminar: Structure and Reactivity of Biopolymers; (1 credit) Grade Method: REG/AUD.

0101	Instructor: TBA	Seats (Total: 5)
	Contact instructor or department for details.	

CHEM898 **Pre-Candidacy Research**

CHEM898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CHEM899 **Doctoral Dissertation Research**

CHEM899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CHIN Chinese Fall 2012

CHIN101 **Intensive Elementary Chinese I**

Non-Majors: please refer to the Foreign Language Placement Section of the Schedule of Classes.

CHIN101 Intensive Elementary Chinese I; (6 credits) Grade Method: REG. *Prerequisite: Must have attained appropriate Foreign Language Placement Test (FLPT) score.* Introduction to speaking, reading, and writing Chinese with an emphasis on mastering the essentials of pronunciation, basic characters and structural patterns. Seats will be opened gradually by the registrar's office, to a total of 15 seats per section.

0101	Mei Kong, Jungjung Lee-Heitz	Seats (Total: 15)
	MWF 10:00am - 10:50am	JMZ 3205
	TuTh 9:30am - 10:45am	JMZ 3205

0201	Mei Kong, Minglang Zhou MWF 11:00am - 11:50am TuTh 11:00am - 12:15pm	Seats (Total: 15) JMZ 3205 JMZ 3205
0301	Yuli Wang, Jungjung Lee-Heitz MWF 2:00pm - 2:50pm TuTh 12:30pm - 1:45pm	Seats (Total: 15) JMZ 3203 JMZ 3120
0401	Mei Kong, Jungjung Lee-Heitz MW 1:00pm - 1:50pm F 1:00pm - 1:50pm TuTh 2:00pm - 3:15pm	Seats (Total: 15) JMZ 3203 JMZ 1120 JMZ 3203

CHIN105 **Elementary Chinese - Accelerated Track**

CHIN105 Elementary Chinese - Accelerated Track; (3 credits) Grade Method: REG.
Prerequisite: Must have appropriate Foreign Language Placement Test (FLPT) score. Restriction: Must not have completed CHIN103, CHIN102, or CHIN101. Accelerated instruction in Mandarin Chinese at the elementary level for students with prior Chinese language background, either through home use or formal instruction.

0101	Mei Kong MWF 2:00pm - 2:50pm	Seats (Total: 15) JMZ 1117

CHIN169A **Special Topics in Study Abroad I; Elementary Chinese I**
Contact department for information to register for this course.

CHIN169B **Special Topics in Study Abroad I; Elementary Chinese II**
Contact department for information to register for this course.

CHIN201 **Intermediate Spoken Chinese I**

CHIN201 Intermediate Spoken Chinese I; (3 credits) Grade Method: REG. CORE Humanities (HO) Course.
Prerequisite: CHIN102; or students who have taken courses with similar or comparable course content may contact the department; or Must have attained appropriate Foreign Language Placement Test (FLPT) score. Emphasis on development of conversational skills with vocabulary build-up and controlled conversation.

0101	Yuli Wang MWF 10:00am - 10:50am	Seats (Total: 15) JMZ 2125
0201	Yuli Wang MWF 11:00am - 11:50am	Seats (Total: 15) JMZ 2125
0301	Guiling Hu MWF 12:00pm - 12:50pm	Seats (Total: 15) JMZ 1215

CHIN202 **Intermediate Written Chinese I**

CHIN202 Intermediate Written Chinese I; (3 credits) Grade Method: REG. CORE Humanities (HO) Course.
Prerequisite: CHIN103; or students who have taken courses with similar or comparable course content may contact the department; or Must have attained appropriate Foreign Language Placement Test (FLPT) score. Reading and writing skills with emphasis on grammar and Chinese characters.

0101	Jungjung Lee-Heitz TuTh 11:00am - 12:15pm	Seats (Total: 15) JMZ 2207
0201	Fang-Yi Chao TuTh 12:30pm - 1:45pm	Seats (Total: 15) JMZ 1117
0301	Guiling Hu TuTh 9:30am - 10:45am	Seats (Total: 15) JMZ 3203

CHIN203 **Intermediate Spoken Chinese II**
Contact department for information to register for this course.

CHIN213 **Chinese Poetry into English: An Introduction**

CHIN213 Chinese Poetry into English: An Introduction; (3 credits) Grade Method: REG. CORE Literature (HL) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - Humanities.
Issues in the intercultural and interlingual interpretation of foreign literature through the study of Western translations of and scholarship on selected Chinese poets. No knowledge of Chinese required.

0101	Andrew Schonebaum	Seats (Total: 30)
	MWF 2:00pm - 2:50pm	JMZ 2206

CHIN269B **Special Topics in Study Abroad II; Chinese Business Issues and Practices**
Contact department for information to register for this course.

CHIN269I **Special Topics in Study Abroad II; Intermediate Spoken Chinese I**
Contact department for information to register for this course.

CHIN269J **Special Topics in Study Abroad II; Intermediate Chinese I**
Contact department for information to register for this course.

CHIN269K **Special Topics in Study Abroad II; Intermediate Chinese II**
Contact department for information to register for this course.

CHIN269P **Special Topics in Study Abroad II; The China Phenomenon**
Contact department for information to register for this course.

CHIN269W **Special Topics in Study Abroad II; Chinese Calligraphy II**
Contact department for information to register for this course.

CHIN301 **Advanced Chinese I**

CHIN301 *(PermReq)* **Advanced Chinese I; (3 credits)** Grade Method: REG. *Prerequisite: CHIN202; or students who have taken courses with similar or comparable course content may contact the department. And Must have taken a placement interview offered by the department for Non-majors.* Readings in expository and fictional writing with conversation and composition.

0101	Guiling Hu	Seats (Total: 15)
	MWF 11:00am - 11:50am	JMZ 0125

CHIN305 **Life in China through TV Plays I**

CHIN305 *(PermReq)* **Life in China through TV Plays I; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: CHIN203 and CHIN204; or permission of ARHU-School of Languages, Literatures, and Cultures department. Using authentic Chinese language material in short TV plays to learn about society and life in China.

0101	Yuli Wang	Seats (Total: 15)
	MWF 1:00pm - 1:50pm	JMZ 0205

CHIN313 **Chinese Poetry and Prose in Translation**
Contact department for information to register for this course.

CHIN369B **Special Topics in Study Abroad III; Advanced Chinese I**
Contact department for information to register for this course.

CHIN369C **Special Topics in Study Abroad III; Advanced Chinese II**
Contact department for information to register for this course.

CHIN369D **Special Topics in Study Abroad III; Advanced Chinese III**
Contact department for information to register for this course.

CHIN369E **Special Topics in Study Abroad III; Advanced Chinese IV**
Contact department for information to register for this course.

CHIN386 **Experiential Learning**
Contact department for information to register for this course.

CHIN401 **Readings in Modern Chinese I**

CHIN401 *(PermReq)* **Readings in Modern Chinese I; (3 credits)** Grade Method: REG.
Prerequisite: CHIN302; or students who have taken courses with similar or comparable course content may contact the department. And Must have taken a placement interview offered by the department for Non-majors. Readings in history, politics, economics, sociology, and literature. Emphasis on wide-ranging, rapid reading, reinforced by conversations and compositions.

0101	Fang-Yi Chao TuTh 2:00pm - 3:15pm	Seats (Total: 20) JMZ 1117

CHIN415 **Readings in Current Newspapers and Periodicals**

CHIN415 Readings in Current Newspapers and Periodicals; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: CHIN402; or students who have taken courses with similar or comparable course content may contact the department. And Must have taken a placement interview offered by the department for Non-majors. Reading of periodical literature on selected topics with discussions and essays in Chinese.

0101	Guiling Hu MWF 10:00am - 10:50am	Seats (Total: 15) JMZ 0122

CHIN422 **Chinese Grammar**

CHIN422 *(PermReq)* **Chinese Grammar; (3 credits)** Grade Method: REG.
Prerequisite: CHIN302 and CHIN322; or permission of ARHU-School of Languages, Literatures, and Cultures department. Chinese sentence patterns studied and contrasted with English and in terms of current pedagogical as well as linguistic theories. Taught in English and Chinese.

0101	Minglang Zhou TuTh 9:30am - 10:45am	Seats (Total: 20) JMZ 1117

CHIN441 **Traditional Chinese Fiction**

CHIN441 Traditional Chinese Fiction; (3 credits) Grade Method: REG.
Prerequisite: Permission of ARHU-School of Languages, Literatures, and Cultures department. Major works of fiction from the 4th century tales of the marvelous through the 19th century Ching novel. Taught in Chinese.

0101	Andrew Schonebaum MWF 12:00pm - 12:50pm	Seats (Total: 20) JMZ 2125

CHIN499 **Directed Study in Chinese**

CHIN499 *(PermReq)* **Directed Study in Chinese; (1-3 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CHPH Chemical Physics Fall 2012

CHPH618B **Special Projects in Chemical Physics; Nanotechnology for Energy: Principles, Materials, and Devices**

CHPH618B Special Projects in Chemical Physics: Nanotechnology for Energy: Principles, Materials, and Devices; (3 credits) Grade Method: REG/AUD.
Also offered as ENMA698N. Credit will only be granted for one of the following: CHPH618B or ENMA698N.

0101	Liangbing Hu	Seats (Total: 25)
	TuTh 2:00pm - 3:15pm	MTH 0403

CHPH618W **Special Projects in Chemical Physics; Transport Phenomena in Small and Biological Systems**

CHPH618W Special Projects in Chemical Physics: Transport Phenomena in Small and Biological Systems; (3 credits) Grade Method: REG/AUD.
Also offered as ENCH648W.

0101	Panagiotis Dimitrakopoulos	Seats (Total: 10)
	MW 3:00pm - 4:15pm	CHM 0119

CHPH709A **Seminar in Chemical Physics; Physical Chemistry**

CHPH709A Seminar in Chemical Physics: Physical Chemistry; (1 credit) Grade Method: REG/AUD.
Also offered as CHEM898E and CHEM898F. Credit will be granted for one of the following: CHEM889E, CHEM889F, or CHPH709A.

0101	Zhihong Nie	Seats (Total: 15)
	W 11:00am - 11:50am	Location: TBA

CHPH709L **Seminar in Chemical Physics; Biophysics**

CHPH709L Seminar in Chemical Physics: Biophysics; (1 credit) Grade Method: REG/AUD.

0101	Arpita Upadhyaya	Seats (Total: 10)
	M 4:00pm - 5:30pm	IPT 1116

CHPH718I **Special Topics in Chemical Physics; Independent Studies**

CHPH718I *(PermReq)* **Special Topics in Chemical Physics: Independent Studies; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CHPH799 **Master's Thesis Research**

CHPH799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CHPH898 **Pre-Candidacy Research**

CHPH898 *(PermReq)* **Pre-Candidacy Research; (1-8 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CHPH899 **Doctoral Dissertation Research**

CHPH899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CLAS Classics Fall 2012

CLAS169M **Special Topics in Study Abroad I; Myths and Legends**
Contact department for information to register for this course.

CLAS170 **Greek and Roman Mythology**

CLAS170 Greek and Roman Mythology; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course. GenEd: Distributive Studies - Humanities.
Also offered as: RELS170. Credit only granted for: CLAS170 or RELS170. Additional information: This course cannot be taken for language credit. An introduction to the mythology of ancient Greece and Rome. This course is particularly recommended for students planning to major in foreign languages, English, history, the fine arts, or journalism. Taught in English.

0101	Eva Stehle MW 10:00am - 10:50am F 10:00am - 10:50am	Seats (Total: 24) MMH 1400 ASY 3221	Discussion
0102	Eva Stehle MW 10:00am - 10:50am Th 11:00am - 11:50am	Seats (Total: 24) MMH 1400 ASY 3221	Discussion
0103	Eva Stehle MW 10:00am - 10:50am Th 11:00am - 11:50am	Seats (Total: 24) MMH 1400 JMZ 2117	Discussion
0104	Eva Stehle MW 10:00am - 10:50am Th 12:30pm - 1:20pm	Seats (Total: 24) MMH 1400 ASY 3219	Discussion
0105	Eva Stehle MW 10:00am - 10:50am Th 12:30pm - 1:20pm	Seats (Total: 24) MMH 1400 LEF 1220	Discussion
0106	Eva Stehle MW 10:00am - 10:50am F 11:00am - 11:50am	Seats (Total: 24) MMH 1400 KEY 0124	Discussion
0107	Eva Stehle MW 10:00am - 10:50am F 10:00am - 10:50am	Seats (Total: 24) MMH 1400 KEY 0124	Discussion
0108	Eva Stehle MW 10:00am - 10:50am F 11:00am - 11:50am	Seats (Total: 24) MMH 1400 ASY 3221	Discussion

0201	Eva Stehle MW 11:00am - 11:50am F 1:00pm - 1:50pm	Seats (Total: 27) MMH 1400 TWS 0201	Discussion
0202	Eva Stehle MW 11:00am - 11:50am F 1:00pm - 1:50pm	Seats (Total: 27) MMH 1400 PLS 1113	Discussion
0203	Eva Stehle MW 11:00am - 11:50am Th 9:30am - 10:20am	Seats (Total: 27) MMH 1400 SQH 1105	Discussion
0204	Eva Stehle MW 11:00am - 11:50am Th 9:30am - 10:20am	Seats (Total: 27) MMH 1400 JMZ 2122	Discussion
0205	Eva Stehle MW 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 27) MMH 1400 BPS 1228	Discussion
0206	Eva Stehle MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 27) MMH 1400 BPS 1228	Discussion
0207	Eva Stehle MW 11:00am - 11:50am F 2:00pm - 2:50pm	Seats (Total: 27) MMH 1400 JMZ 3120	Discussion
FC01	Brendan Magee TuTh 3:30pm - 4:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 30) MMH 0108	
FC02	William Proffitt TuTh 5:00pm - 6:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 20) KEY 0103	
FC03	Jason Edwards MW 4:30pm - 5:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 20) MMH 0108	

FC04	Jason Edwards MW 6:00pm - 7:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 20) MMH 0108
FC05	Ryan Moore TuTh 6:30pm - 7:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 20) KEY 0120

CLAS270 **Greek Literature in Translation**

CLAS270 Greek Literature in Translation; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course. GenEd: Distributive Studies - Humanities. Selections in translation of Greek literature from Homer to Lucian, with special emphasis on epic and dramatic poetry. No knowledge of Greek or Latin is required.

0101	Francisco Barrenechea MWF 12:00pm - 12:50pm	Seats (Total: 35) MMH 0108

CLAS309C **Special Topics in Classical Literature; Classical Mythology in Modern Greek Cinema and Theatre**

CLAS309C Special Topics in Classical Literature: Classical Mythology in Modern Greek Cinema and Theatre; (3 credits) Grade Method: REG/P-F/AUD.

0101	Mary Pittas-Herschbach Tu 5:00pm - 7:40pm	Seats (Total: 35) SKN 1115

CLAS470 **Approaches to Greek Mythology**

CLAS470 Approaches to Greek Mythology; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: CLAS170; or permission of ARHU-Classics department. Ancient and modern approaches to understanding Greek myth as expression of human experience, including interpretations drawn from psychology, anthropology, and comparative mythology.

0101	Gregory Staley TuTh 12:30pm - 1:45pm	Seats (Total: 35) MMH 3418

CLAS499 **Independent Study in Classical Languages and Literatures**

CLAS499 *(PermReq)* **Independent Study in Classical Languages and Literatures; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CLAS699 **Independent Study in Classical Civilization**

CLAS699 *(PermReq)* **Independent Study in Classical Civilization; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CLFS Chemical and Life Sciences Fall 2012

CLFS001 **Life Science Assessment Test**

CLFS001 Life Science Assessment Test; (No credit) Grade Method: REG/P-F/AUD.

PL01	Paul Mazzocchi	Seats (Total: 50)
	Class time/details on ELMs	ONLINE

CLFS510 **Concepts of Modern Biology**

CLFS510 Concepts of Modern Biology; (3 credits) Grade Method: REG. *Prerequisite: Permission of CMNS-Chemical & Life Sciences department. Restriction: Restricted to current high school and middle school teachers.* Discussion of recent advancements in the biological sciences. Includes in depth treatment of the background information responsible for the advancements. Not acceptable for credit towards a degree.

PL01	William Higgins	Seats (Total: 28)
	Meets August 29, 2012 - November 19, 2012	
	Class time/details on ELMs	ONLINE

CLFS520 **Concepts of Modern Chemistry**

CLFS520 Concepts of Modern Chemistry; (3 credits) Grade Method: REG.
Basic concepts and recent advances in the chemical sciences. It is designed to be a review of the first two years of college chemistry for the student persuing the Master of Life Science degree with a concentration in chemistry. Also includes material preparatory for LFSC courses such as LFSC 690 and LFSC 655. A basic text supplemented by on line text, problems and links. (Not acceptable for credit towards a degree).

PL01	Dorothy Mazzocchi **Meets August 29, 2012 - November 19, 2012** Class time/details on ELMs	Seats (Total: 20) ONLINE

CLFS608 **Seminar in Current Topics in Chemical and Life Science; Scholarly Paper**

CLFS608 *(PermReq)* **Seminar in Current Topics in Chemical and Life Science: Scholarly Paper; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Contact Dr. Brett Kent (bkent@umd.edu) to establish a mentor; and then contact the Office of Extended Studies (oes@umd.edu) to register.

Contact department for information to register for this course.

CLFS608A **Seminar in Current Topics in Chemical and Life Science; Independent Research**

CLFS608A *(PermReq)* **Seminar in Current Topics in Chemical and Life Science: Independent Research; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Contact the Office of Extended Studies (oes@umd.edu) to register.

Contact department for information to register for this course.

CLFS609A **Special Topics; Food Safety and GM Foods**

CLFS609A Special Topics: Food Safety and GM Foods; (3 credits) Grade Method: REG/AUD.

PL01	Lucinda Jack **Meets August 29, 2012 - November 19, 2012** Class time/details on ELMs	Seats (Total: 30) ONLINE

CLFS619A **Special Topics in Chemistry; Molecular Spectroscopy**

CLFS619A Special Topics in Chemistry: Molecular Spectroscopy; (3 credits) Grade Method: REG/AUD.

PL01	Dorothy Mazzocchi, Paul Mazzocchi **Meets August 29, 2012 - November 19, 2012** Class time/details on ELMs	Seats (Total: 12) ONLINE

CLFS620 **Modern Molecular Genetics**

CLFS620 Modern Molecular Genetics; (3 credits) Grade Method: REG/AUD.
An overview of genetics including the genetic basis/components in prevalent diseases, genetically engineered organisms and foods, the importance of knowing the complete DNA sequence of organisms.

PL01	Paul Bottino **Meets August 29, 2012 - November 19, 2012** Class time/details on ELMs	Seats (Total: 21) ONLINE

CLFS665 **Ecology and Global Change**

CLFS665 Ecology and Global Change; (3 credits) Grade Method: REG/AUD.
Credit only granted for: LFSC609C or LFSC665. Formerly: LFSC609C. Ecological concepts across scales ranging from the individual, to populations, communities, ecosystems, and landscapes will be presented. Global change issues will encompass alteration of atmospheric trace gases, biogeochemistry cycles, land use changes, and introduction of non-native species to new habitats.

PL01	Irwin Forseth **Meets August 29, 2012 - November 19, 2012** Class time/details on ELMs	Seats (Total: 22) ONLINE

CLFS680 **Chemical Ecology**

CLFS680 Chemical Ecology; (3 credits) Grade Method: REG/AUD.
An examination of the utilization of organic natural products by plants and animals for various life processes. Examples will include how materials are utilized for sexual selection, defense against predators, sexual attractants, and as natural herbicides and repellants.

PL01	Dorothy Mazzocchi, Paul Mazzocchi, Bruce Jarvis	Seats (Total: 19)
	Meets August 29, 2012 - November 19, 2012	
	Class time/details on ELMs	ONLINE

CMLT Comparative Literature Fall 2012

CMLT235 **Black Diaspora Literature and Culture**

CMLT235 Black Diaspora Literature and Culture; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - Humanities; Diversity - Understanding Plural Societies.
Credit only granted for: CMLT235 or ENGL235. Examination of key works by writers of the African Diaspora. Relationship among black people across multiple geographic spaces; Africa, the Caribbean, the United States, Europe, Latin America, and Asia. Specific historical, cultural, and literary contexts; themes such as gender, sexuality, migration, slavery, freedom, and equality. Readings may include literary texts (fiction, poetry, drama), music and film. All readings in English, but drawn from multiple languages of the black diaspora, including English, Spanish, French and Portuguese.

0101	Christopher Brown	Seats (Total: 30)
	TuTh 9:30am - 10:45am	SQH 1103

CMLT269C **Special Topics in Study Abroad II; Modern Catalan Literature**
Contact department for information to register for this course.

CMLT270 **Global Literature and Social Change**

CMLT270 Global Literature and Social Change; (3 credits) Grade Method: REG. CORE Literature (HL) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - Humanities; Diversity - Understanding Plural Societies.
Comparative study of literature through selected literary works from several non-Western cultures, viewed cross-culturally in light of particular social, political, and economic perspectives.

0101	Liora Moriel TuTh 12:30pm - 1:45pm	Seats (Total: 30) JMP 1202
0201	Zein El-Amine MWF 11:00am - 11:50am	Seats (Total: 30) TWS 1106
0301	Zein El-Amine MWF 12:00pm - 12:50pm	Seats (Total: 30) SQH 2117
FC01	Ellen Moll M 7:30pm - 8:45pm Class time/details on ELMs *Restricted to students in Freshman Connection.*	Seats (Total: 20) JMZ 1215 ONLINE

CMLT275 **World Literature by Women**

CMLT275 World Literature by Women; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - Humanities; Diversity - Understanding Plural Societies.
Also offered as: WMST275. Credit only granted for: CMLT275 or WMST275.
Comparative study of selected works by women writers of several countries, exploring points of intersection and divergence in women's literary representations.

0201	Ellen Moll MW 2:00pm - 3:15pm	Seats (Total: 30) SQH 1103
0301	Jeremy Metz TuTh 12:30pm - 1:45pm	Seats (Total: 30) SQH 1103
0401	Liora Moriel TuTh 2:00pm - 3:15pm	Seats (Total: 30) HBK 0302J

CMLT277 **Literatures of the Americas**

CMLT277 Literatures of the Americas; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - Humanities; Diversity - Understanding Plural Societies.
Comparative study of several North, South, and Central American cultures with a focus on the specificities, similarities, and divergences of their literary and cultural texts. Also offered as ENGL278L.

0201	Ana Farach TuTh 2:00pm - 3:15pm	Seats (Total: 30) SQH 1105

CMLT280 **Film Art in a Global Society**

CMLT280 Film Art in a Global Society; (3 credits) Grade Method: REG/P-F/AUD. CORE History or Theory of Arts (HA) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - Humanities; Diversity - Understanding Plural Societies.
Comparative study of a variety of film traditions from around the world, including cinema from Hollywood, Europe, Asia and developing countries, with a stress on different cultural contexts for film-making and viewing.

0101	Marit Knollmueller MW 11:00am - 12:15pm	Seats (Total: 30) ARC 1103
0201	Marit Knollmueller MW 1:00pm - 2:15pm	Seats (Total: 30) SQH 1121

CMLT298L **Wisdom Literature and the Hebrew Bible**

CMLT298L Wisdom Literature and the Hebrew Bible; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course.
Also offered as JWST219Land RELS219L. An introduction to the various kinds of philosophical texts (wisdom literature) found in the Hebrew Bible with comparison to similar Ancient Near Eastern texts. The course examines the term "wisdom" as defining a genre of literature in the Hebrew Bible through readings from works such as Job, Ecclesiastes, and Proverbs. Some familiarity with the Hebrew Bible in original or translation is recommended.

0101	Jacqueline Vayntrub TuTh 12:30pm - 1:45pm	Seats (Total: 32) ARM 0121

CMLT298N **American Indians in Literature and Film: Perspectives North and South**

CMLT298N American Indians in Literature and Film: Perspectives North and South; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course. CORE Diversity (D) Course.
Also offered as LASC248N. Credit will be granted for one of the following: CMLT298N or LASC248N.

0101	Regina Harrison	Seats (Total: 30)	
	TuTh 3:30pm - 4:45pm	SQH 1103	

CMLT369T **Special Topics in Study Abroad III; Politics and Literature in the 20th Century**
Contact department for information to register for this course.

CMLT369X **Special Topics in Study Abroad III; Shakespeare and Lope de Vega**
Contact department for information to register for this course.

CMLT386 **Experiential Learning**

CMLT386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Restriction: Junior standing or higher; and permission of ARHU-English department.

Contact department for information to register for this course.

CMLT398L **Special Topics in Comparative Studies; Sexuality in the Cinema**

CMLT398L Special Topics in Comparative Studies: Sexuality in the Cinema; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Two lower-level English courses, at least one in literature; or permission of department. Also offered as ENGL329C. Credit will be granted for only one of the following: CMLT398L, CMLT498L, or ENGL329C.

0101	Eugene Robinson	Seats (Total: 30)	
	MW 2:00pm - 3:15pm	TWS 0201	
	M 3:30pm - 5:30pm	TWS 1100	Lab

CMLT398N **Special Topics in Comparative Studies; Gypsy Culture**

CMLT398N Special Topics in Comparative Studies: Gypsy Culture; (3 credits)
Grade Method: REG/P-F/AUD.
Prerequisite: Two lower-level English courses, at least one in literature or permission of department. Also offered as ENGL379V. Credit will be granted for only one of the following: CMLT398N, CMLT498N, or ENGL379V.

0101	Eugene Robinson	Seats (Total: 30)
	MW 11:00am - 12:15pm	TWS 0236

CMLT699 **Independent Study**

CMLT699 *(PermReq)* **Independent Study; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CMLT788E **Practicum in Comparative Studies; Ethnography in Transit: Disciplinary and Cultural Crossings**

CMLT788E Practicum in Comparative Studies: Ethnography in Transit: Disciplinary and Cultural Crossings; (1 credit) Grade Method: S-F.
Also offered as ENGL888E and SLLC698J. Class will meet on the following dates: Sept. 21, Oct. 5, 19, Nov. 16 and Dec. 7. Click here for more course information.

0101	Sheila Jelen	Seats (Total: 20)
	F 2:00pm - 4:00pm	TWS 3132

CMLT799 **Master's Thesis Research**

CMLT799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CMLT898 **Pre-Candidacy Research**

CMLT898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CMLT899 **Doctoral Dissertation Research**

CMLT899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CMSC Computer Science Fall 2012

CMSC100 **Bits and Bytes of Computer Science**

CMSC100 *(PermReq)* **Bits and Bytes of Computer Science; (1 credit)** Grade Method: REG.
Restriction: For first time freshmen and first time transfer computer science majors. Students are introduced to the field (and disciplines) of computer science within a small classroom setting. They will learn to make a successful transition from high school to the university, while exploring study skills, student success plans and research opportunities.

0101	Andrew Nolan	Seats (Total: 45)	
	W 4:00pm - 4:50pm	CSI 2117	

CMSC106 **Introduction to C Programming**

CMSC106 Introduction to C Programming; (4 credits) Grade Method: REG.
Prerequisite: MATH115. Restriction: Must not be in Computer Science program; and must not have completed any courses from CMSC131-499 course range. Design and analysis of programs in C. An introduction to computing using structured programming concepts. Intended for students with no or minimal programming experience.

0101	Nelson Padua-Perez	Seats (Total: 25)	
	TuTh 9:30am - 10:45am	CSI 3117	
	MW 10:00am - 10:50am	CSI 2107	Discussion
0102	Nelson Padua-Perez	Seats (Total: 25)	
	TuTh 9:30am - 10:45am	CSI 3117	
	MW 11:00am - 11:50am	CSI 2107	Discussion

CMSC122 **Introduction to Computer Programming via the Web**

CMSC122 Introduction to Computer Programming via the Web; (3 credits) Grade Method: REG. CORE Interdisciplinary & Emerging Issues (IE) Course. GenEd: Distributive Studies - Scholarship in Practice.
Restriction: Must not have completed any courses from CMSC131-499 course range. Credit only granted for: CMSC122 or CMSC198N. Formerly: CMSC198N. Introduction to computer programming in the context of developing full featured dynamic web sites. Uses a problem solving approach to teach basics of program design and implementation using JavaScript; relates these skills to creation of dynamic web sites; then explores both the potential and limits of web-based information sources for use in research. Intended to help relate a student's major to these emerging technologies.

0101	Pedram Sadeghian MWF 1:00pm - 1:50pm	Seats (Total: 75) CSI 3117	
0201	Fawzi Emad MWF 2:00pm - 2:50pm	Seats (Total: 75) CSI 3117	
0301	Fawzi Emad MWF 3:00pm - 3:50pm	Seats (Total: 75) CSI 3117	

CMSC131 **Object-Oriented Programming I**

CMSC131 *(PermReq)* **Object-Oriented Programming I; (4 credits)** Grade Method: REG.
Corequisite: Concurrently enrolled in MATH140; and permission of CMNS-Computer Science department. Introduction to programming and computer science. Emphasizes understanding and implementation of applications using object-oriented techniques. Develops skills such as program design and testing as well as implementation of programs using a graphical IDE. Programming done in Java. For CMSC majors only.

0101	Jandelyn Plane MWF 9:00am - 9:50am MW 10:00am - 10:50am	Seats (Total: 28) CSI 1115 CSI 2118	 Discussion
0102	Jandelyn Plane MWF 9:00am - 9:50am MW 11:00am - 11:50am	Seats (Total: 28) CSI 1115 CSI 2120	 Discussion

0103	Jandelyn Plane MWF 9:00am - 9:50am MW 12:00pm - 12:50pm	Seats (Total: 28) CSI 1115 CSI 2120	 Discussion
0201	Jandelyn Plane MWF 10:00am - 10:50am MW 1:00pm - 1:50pm	Seats (Total: 28) CSI 1115 CSI 2118	 Discussion
0202	Jandelyn Plane MWF 10:00am - 10:50am MW 1:00pm - 1:50pm	Seats (Total: 28) CSI 1115 CSI 2107	 Discussion
0203	Jandelyn Plane MWF 10:00am - 10:50am MW 2:00pm - 2:50pm	Seats (Total: 28) CSI 1115 CSI 2118	 Discussion
0204	Jandelyn Plane MWF 10:00am - 10:50am MW 11:00am - 11:50am	Seats (Total: 28) CSI 1115 CSI 2118	 Discussion
0301	Jandelyn Plane MWF 11:00am - 11:50am MW 12:00pm - 12:50pm	Seats (Total: 28) CSI 1115 CSI 2107	 Discussion
0302	Jandelyn Plane MWF 11:00am - 11:50am MW 12:00pm - 12:50pm	Seats (Total: 28) CSI 1115 CSI 2118	 Discussion
0303	Jandelyn Plane MWF 11:00am - 11:50am MW 1:00pm - 1:50pm	Seats (Total: 28) CSI 1115 CSI 2120	 Discussion
0401	Evan Golub MWF 1:00pm - 1:50pm MW 2:00pm - 2:50pm	Seats (Total: 28) CSI 1115 CSI 2120	 Discussion
0402	Evan Golub MWF 1:00pm - 1:50pm MW 3:00pm - 3:50pm	Seats (Total: 28) CSI 1115 CSI 2120	 Discussion

0403	Evan Golub	Seats (Total: 28)	
	MWF 1:00pm - 1:50pm MW 4:00pm - 4:50pm	CSI 1115 CSI 2120	Discussion

CMSC131H **Object-Oriented Programming I**

CMSC131H *(PermReq)* **Object-Oriented Programming I; (4 credits)** Grade Method: REG.
Corequisite: Concurrently enrolled in MATH140; and permission of CMNS-Computer Science department. Introduction to programming and computer science. Emphasizes understanding and implementation of applications using object-oriented techniques. Develops skills such as program design and testing as well as implementation of programs using a graphical IDE. Programming done in Java. For general honors students only.

0101	Evan Golub	Seats (Total: 22)	
	MWF 2:00pm - 2:50pm MW 10:00am - 10:50am	CSI 1122 CSI 2120	Discussion

CMSC132 **Object-Oriented Programming II**

CMSC132 *(PermReq)* **Object-Oriented Programming II; (4 credits)** Grade Method: REG.
Prerequisite: Minimum grade of C- in CMSC131; or Must have earned a score of 5 on the A Java AP exam. Or Permission of the department based on satisfactory performance on the department placement exam; and minimum grade of C- in MATH140; and permission of CMNS-Computer Science department. Introduction to use of computers to solve problems using software engineering principles. Design, build, test, and debug medium -size software systems and learn to use relevant tools. Use object-oriented methods to create effective and efficient problem solutions. Use and implement application programming interfaces (APIs). Programming done in Java.

0101	Fawzi Emad	Seats (Total: 25)	
	MWF 11:00am - 11:50am TuTh 8:00am - 8:50am	CSI 2117 CSI 2118	Discussion
0102	Fawzi Emad	Seats (Total: 25)	
	MWF 11:00am - 11:50am TuTh 9:00am - 9:50am	CSI 2117 CSI 2118	Discussion

0103	Fawzi Emad MWF 11:00am - 11:50am TuTh 3:00pm - 3:50pm	Seats (Total: 25) CSI 2117 CSI 2118	 Discussion
0201	Laurence Herman MWF 12:00pm - 12:50pm TuTh 10:00am - 10:50am	Seats (Total: 25) CSI 1115 CSI 2118	 Discussion
0202	Laurence Herman MWF 12:00pm - 12:50pm TuTh 1:00pm - 1:50pm	Seats (Total: 25) CSI 1115 CSI 2118	 Discussion
0203	Laurence Herman MWF 12:00pm - 12:50pm TuTh 4:00pm - 4:50pm	Seats (Total: 25) CSI 1115 CSI 2118	 Discussion
0301	Laurence Herman MWF 2:00pm - 2:50pm TuTh 12:00pm - 12:50pm	Seats (Total: 25) CSI 1115 CSI 2118	 Discussion
0302	Laurence Herman MWF 2:00pm - 2:50pm TuTh 11:00am - 11:50am	Seats (Total: 25) CSI 1115 CSI 2118	 Discussion
0303	Laurence Herman MWF 2:00pm - 2:50pm TuTh 3:00pm - 3:50pm	Seats (Total: 25) CSI 1115 CSI 3118	 Discussion
0304	Laurence Herman MWF 2:00pm - 2:50pm TuTh 2:00pm - 2:50pm	Seats (Total: 25) CSI 1115 CSI 3118	 Discussion

CMSC132H Object-Oriented Programming II

CMSC132H *(PermReq)* **Object-Oriented Programming II; (4 credits)** Grade Method: REG.
Prerequisite: Minimum grade of C- in CMSC131; or Must have earned a score of 5 on the A Java AP exam. Or Permission of the department based on satisfactory performance on the department placement exam; and minimum grade of C- in MATH140; and permission of CMNS-Computer Science department. Introduction to use of computers to solve problems using software engineering principles. Design, build, test, and debug medium -size software systems and learn to use relevant tools. Use object-oriented methods to create effective and efficient problem solutions. Use and implement application programming interfaces (APIs). Programming done in Java. For general honors students only.

0101	Thomas Reinhardt	Seats (Total: 25)	
	MWF 3:00pm - 3:50pm	CSI 2118	
	TuTh 2:00pm - 2:50pm	CSI 2118	Discussion

CMSC198A **Special Topics in Computer Science for Non-Majors**

CMSC198A *(PermReq)* **Special Topics in Computer Science for Non-Majors; (1-4 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CMSC216 **Introduction to Computer Systems**

CMSC216 *(PermReq)* **Introduction to Computer Systems; (4 credits)** Grade Method: REG.
Prerequisite: Minimum grade of C- in CMSC132; and minimum grade of C- in MATH141. Corequisite: Concurrently enrolled in CMSC250. Credit only granted for: CMSC212, (CMSC213 and CMSC313), or CMSC216. Machine representation of data including intergers and floating point. Modern computer architectural features and their interaction with software (registers, caches). Interaction between user programs and the OS: system class, process, and thread management. Optimizing software to improve runtime performance using both compilers and hand turning.

0101	Neil Spring	Seats (Total: 26)	
	TuTh 11:00am - 12:15pm	CSI 1115	
	MW 9:00am - 9:50am	CSI 3120	Discussion

0102	Neil Spring TuTh 11:00am - 12:15pm MW 10:00am - 10:50am	Seats (Total: 26) CSI 1115 CSI 3120	 Discussion
0103	Neil Spring TuTh 11:00am - 12:15pm MW 8:00am - 8:50am	Seats (Total: 26) CSI 1115 CSI 3120	 Discussion
0201	Nelson Padua-Perez TuTh 12:30pm - 1:45pm MW 11:00am - 11:50am	Seats (Total: 26) CSI 2117 CSI 3120	 Discussion
0202	Nelson Padua-Perez TuTh 12:30pm - 1:45pm MW 12:00pm - 12:50pm	Seats (Total: 26) CSI 2117 CSI 3120	 Discussion
0203	Nelson Padua-Perez TuTh 12:30pm - 1:45pm MW 4:00pm - 4:50pm	Seats (Total: 26) CSI 2117 CSI 3118	 Discussion
0301	Nelson Padua-Perez TuTh 2:00pm - 3:15pm MW 1:00pm - 1:50pm	Seats (Total: 26) CSI 1115 CSI 3120	 Discussion
0302	Nelson Padua-Perez TuTh 2:00pm - 3:15pm MW 2:00pm - 2:50pm	Seats (Total: 26) CSI 1115 CSI 3118	 Discussion
0303	Nelson Padua-Perez TuTh 2:00pm - 3:15pm MW 3:00pm - 3:50pm	Seats (Total: 26) CSI 1115 CSI 3118	 Discussion
0304	Nelson Padua-Perez TuTh 2:00pm - 3:15pm MW 9:00am - 9:50am	Seats (Total: 26) CSI 1115 CSI 2120	 Discussion

CMSC250 Discrete Structures

CMSC250 *(PermReq)* **Discrete Structures; (4 credits)** Grade Method: REG. *Prerequisite: Minimum grade of C- in CMSC131; and MATH141; and permission of CMNS-Computer Science department. Formerly: CMSC150.* Fundamental mathematical concepts related to computer science, including finite and infinite sets, relations, functions, and propositional logic. Introduction to other techniques, modeling and solving problems in computer science. Introduction to permutations, combinations, graphs, and trees with selected applications.

0101	Thomas Reinhardt TuTh 12:30pm - 1:45pm MW 8:00am - 8:50am	Seats (Total: 32) CSI 3117 CSI 3118	 Discussion
0102	Thomas Reinhardt TuTh 12:30pm - 1:45pm MW 11:00am - 11:50am	Seats (Total: 32) CSI 3117 CSI 3118	 Discussion
0201	Thomas Reinhardt TuTh 2:00pm - 3:15pm MW 9:00am - 9:50am	Seats (Total: 32) CSI 3117 CSI 3118	 Discussion
0202	Thomas Reinhardt TuTh 2:00pm - 3:15pm MW 10:00am - 10:50am	Seats (Total: 32) CSI 3117 CSI 3118	 Discussion
0301	Clyde Kruskal TuTh 11:00am - 12:15pm MW 12:00pm - 12:50pm	Seats (Total: 29) CSI 3117 CSI 3118	 Discussion
0302	Clyde Kruskal TuTh 11:00am - 12:15pm MW 1:00pm - 1:50pm	Seats (Total: 29) CSI 3117 CSI 3118	 Discussion
0303	Clyde Kruskal TuTh 11:00am - 12:15pm MW 9:00am - 9:50am	Seats (Total: 29) CSI 3117 CSI 2118	 Discussion

CMSC289I **Rise of the Machines: Artificial Intelligence Comes of Age**

CMSC289I Rise of the Machines: Artificial Intelligence Comes of Age; (3 credits) Grade Method: REG/P-F/AUD. CORE Mathematics or Formal Reasoning (MS) Course. GenEd: Distributive Studies - Scholarship in Practice; Signature Courses - I-Series.

0101	James Reggia	Seats (Total: 66)
	TuTh 11:00am - 12:15pm	CSI 2117

CMSC297 **Honors Seminar**

CMSC297 *(PermReq)* **Honors Seminar; (1 credit)** Grade Method: S-F.
An introduction to the breadth of computer science research. Intended for all Computer Science Honors students, especially those considering a career in research. Will cover work from some of the key figures in the history of computer science, as well as research being pursued at Maryland.

0101	William Gasarch	Seats (Total: 40)
	W 4:00pm - 4:50pm	CSI 2107

CMSC298A **Special Topics in Computer Science**

CMSC298A *(PermReq)* **Special Topics in Computer Science; (1-4 credits)** Grade Method: S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CMSC330 **Organization of Programming Languages**

CMSC330 *(PermReq)* **Organization of Programming Languages; (3 credits)** Grade Method: REG.
Prerequisite: Minimum grade of C- in CMSC250 and CMSC216; and permission of CMNS-Computer Science department. The semantics of programming languages and their run-time organization. Several different models of languages are discussed, including procedural (e.g., C, Pascal), functional (e.g., ML, LISP), rule-based (e.g., Prolog), and object-oriented (e.g., C++, Smalltalk). Run-time structures, including dynamic versus static scope rules, storage for strings, arrays, records, and object inheritance are explored.

0101	Laurence Herman TuTh 2:00pm - 3:15pm F 9:00am - 9:50am	Seats (Total: 28) CSI 2117 CSI 3120	 Discussion
0102	Laurence Herman TuTh 2:00pm - 3:15pm F 10:00am - 10:50am	Seats (Total: 28) CSI 2117 CSI 3120	 Discussion
0103	Laurence Herman TuTh 2:00pm - 3:15pm F 11:00am - 11:50am	Seats (Total: 28) CSI 2117 CSI 3120	 Discussion
0201	Nick Feamster TuTh 3:30pm - 4:45pm F 12:00pm - 12:50pm	Seats (Total: 28) CSI 1115 CSI 3120	 Discussion
0202	Nick Feamster TuTh 3:30pm - 4:45pm F 1:00pm - 1:50pm	Seats (Total: 28) CSI 1115 CSI 3120	 Discussion
0203	Nick Feamster TuTh 3:30pm - 4:45pm F 2:00pm - 2:50pm	Seats (Total: 28) CSI 1115 CSI 3120	 Discussion
0204	Nick Feamster TuTh 3:30pm - 4:45pm F 1:00pm - 1:50pm	Seats (Total: 28) CSI 1115 CSI 2120	 Discussion

CMSC351 **Algorithms**

CMSC351 *(PermReq)* **Algorithms; (3 credits)** Grade Method: REG.
Prerequisite: Minimum grade of C- in CMSC250 and CMSC216; and permission of CMNS-Computer Science department. Credit only granted for: CMSC251 or CMSC351. Additional information: CMSC351 may not count as one of the required upper level CMSC courses for students who are required to have 24 upper level CMSC credits for graduation, i.e. for students who became computer science majors prior to Fall, 2002. A systematic study of the complexity of some elementary algorithms related to sorting, graphs and trees, and combinatorics. Algorithms are analyzed using mathematical techniques to solve recurrences and summations.

0101	Clyde Kruskal TuTh 12:30pm - 1:45pm	Seats (Total: 110) CSI 1115
0201	Clyde Kruskal MWF 10:00am - 10:50am	Seats (Total: 88) CSI 3117

CMSC390 **Honors Paper**

CMSC390 *(PermReq)* **Honors Paper; (3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number. *Restriction: Must be admitted to the Computer Science Honors Program.* Special study or research directed toward preparation of honors paper.

Contact department for information to register for this course.

CMSC411 **Computer Systems Architecture**

CMSC411 *(PermReq)* **Computer Systems Architecture; (3 credits)** Grade Method: REG.
Prerequisite: 1 course with a minimum grade of C- from (ENEE350, CMSC311); and minimum grade of C- in CMSC330; and permission of CMNS-Computer Science department. Or Must be in the (Computer Science (Doctoral), Computer Science (Master's)) program. Input/output processors and techniques. Intra-system communication, buses, caches. Addressing and memory hierarchies. Microprogramming, parallelism, and pipelining.

0101	Michelle Hugue MW 2:00pm - 3:15pm	Seats (Total: 40) CSI 3120
0201	Michelle Hugue MW 3:30pm - 4:45pm	Seats (Total: 40) CSI 3120

CMSC412 **Operating Systems**

CMSC412 *(PermReq)* **Operating Systems; (4 credits)** Grade Method: REG. CORE Capstone (CS) Course.
Prerequisite: 1 course with a minimum grade of C- from (ENEE350, CMSC311); and minimum grade of C- in CMSC330; and permission of CMNS-Computer Science department. Or Must be in the (Computer Science (Doctoral), Computer Science (Master's)) program. An introduction to batch systems, spooling systems, and third-generation multiprogramming systems. Description of the parts of an operating system in terms of function, structure, and implementation. Basic resource allocation policies.

0101	A.U. Shankar	Seats (Total: 20)	
	MW 2:00pm - 3:15pm	CSI 1121	
	MW 10:00am - 10:50am	CSI 1121	Discussion
0102	A.U. Shankar	Seats (Total: 20)	
	MW 2:00pm - 3:15pm	CSI 1121	
	MW 11:00am - 11:50am	CSI 1121	Discussion

CMSC414 **Computer and Network Security**

CMSC414 *(PermReq)* **Computer and Network Security; (3 credits)** Grade Method: REG.
Prerequisite: Minimum grade of C- in CMSC216 and CMSC330; and permission of CMNS-Computer Science department. Or Must be in the (Computer Science (Doctoral), Computer Science (Master's)) program. An introduction to the topic of security in the context of computer systems and networks. Identify, analyze, and solve network-related security problems in computer systems. Fundamentals of number theory, authentication, and encryption technologies, as well as the practical problems that have to be solved in order to make those technologies workable in a networked environment, particularly in the wide-area Internet environment.

0101	Peter Keleher	Seats (Total: 40)
	TuTh 9:30am - 10:45am	CSI 1121

CMSC417 **Computer Networks**

CMSC417 *(PermReq)* **Computer Networks; (3 credits)** Grade Method: REG. *Prerequisite: Minimum grade of C- in CMSC351 and CMSC330; and permission of CMNS-Computer Science department. Or Must be in the (Computer Science (Doctoral), Computer Science (Master's)) program.* Computer networks and architectures. The OSI model including discussion and examples of various network layers. A general introduction to existing network protocols. Communication protocol specification, analysis, and testing.

0101	Samrat Bhattacharjee TuTh 12:30pm - 1:45pm	Seats (Total: 40) CSI 1122
0201	Ashok Agrawala TuTh 2:00pm - 3:15pm	Seats (Total: 40) CSI 2107

CMSC420 **Data Structures**

CMSC420 *(PermReq)* **Data Structures; (3 credits)** Grade Method: REG. *Prerequisite: Minimum grade of C- in CMSC351 and CMSC330; and permission of CMNS-Computer Science department. Or Must be in the (Computer Science (Doctoral), Computer Science (Master's)) program.* Description, properties, and storage allocation of data structures including lists and trees. Algorithms for manipulating structures. Applications from areas such as data processing, information retrieval, symbol manipulation, and operating systems.

0101	Hanan Samet TuTh 2:00pm - 3:15pm	Seats (Total: 40) CSI 1122
0201	Michelle Hugue TuTh 3:30pm - 4:45pm	Seats (Total: 50) CSI 1121

CMSC421 **Introduction to Artificial Intelligence**

CMSC421 *(PermReq)* **Introduction to Artificial Intelligence; (3 credits)** Grade Method: REG.
Prerequisite: Minimum grade of C- in CMSC351 and CMSC330; and permission of CMNS-Computer Science department. Or Must be in the (Computer Science (Doctoral), Computer Science (Master's)) program. Areas and issues in artificial intelligence, including search, inference, knowledge representation, learning, vision, natural languages, expert systems, robotics. Implementation and application of programming languages (e.g. LISP, PROLOG, SMALLTALK), programming techniques (e.g. pattern matching, discrimination networks) and control structures (e.g. agendas, data dependencies).

0101	Dana Nau TuTh 2:00pm - 3:15pm	Seats (Total: 40) CSI 1121
0201	Donald Perlis TuTh 8:00am - 9:15am	Seats (Total: 40) CSI 3120

CMSC423 **Bioinformatic Algorithms, Databases, and Tools**

CMSC423 *(PermReq)* **Bioinformatic Algorithms, Databases, and Tools; (3 credits)** Grade Method: REG.
Prerequisite: Minimum grade of C- in CMSC351; or permission of CMNS-Computer Science department. An introduction to the main algorithms, databases, and tools used in bioinformatics. Topics may include assembly and analysis of genome sequences, reconstructing evolutionary histories, predicting protein structure, and clustering of biological data. Use of scripting languages to perform analysis tasks on biological data. No prior knowledge of biology is assumed.

0101	Todd Treangen TuTh 11:00am - 12:15pm	Seats (Total: 40) CSI 1121

CMSC424 **Database Design**

CMSC424 *(PermReq)* **Database Design; (3 credits)** Grade Method: REG. CORE Capstone (CS) Course.
Prerequisite: Minimum grade of C- in CMSC351 and CMSC330; and permission of CMNS-Computer Science department. Or Must be in the (Computer Science (Doctoral), Computer Science (Master's)) program. Students are introduced to database systems and motivates the database approach as a mechanism for modeling the real world. An in-depth coverage of the relational model, logical database design, query languages, and other database concepts including query optimization, concurrency control; transaction management, and log based crash recovery. Distributed and Web database architectures are also discussed.

0101	Amol Deshpande	Seats (Total: 45)
	TuTh 11:00am - 12:15pm	CSI 1122

CMSC426 **Image Processing**

CMSC426 *(PermReq)* **Image Processing; (3 credits)** Grade Method: REG.
Prerequisite: CMSC420; and permission of CMNS-Computer Science department. Or Must be in the (Computer Science (Doctoral), Computer Science (Master's)) program. An introduction to basic techniques of analysis and manipulation of pictorial data by computer. Image input/output devices, image processing software, enhancement, segmentation, property measurement, Fourier analysis. Computer encoding, processing, and analysis of curves.

0101	David Jacobs	Seats (Total: 40)
	TuTh 9:30am - 10:45am	CSI 3120

CMSC430 **Introduction to Compilers**

CMSC430 *(PermReq)* **Introduction to Compilers; (3 credits)** Grade Method: REG.
Prerequisite: Minimum grade of C- in CMSC330; and permission of CMNS-Computer Science department. Or Must be in the (Computer Science (Doctoral), Computer Science (Master's)) program. Topics include lexical analysis, parsing, intermediate representations, program analysis, optimization, and code generation.

0101	Jeffrey Foster	Seats (Total: 37)
	MW 2:00pm - 3:15pm	CSI 2107

CMSC433 **Programming Language Technologies and Paradigms**

CMSC433 *(PermReq)* **Programming Language Technologies and Paradigms; (3 credits)** Grade Method: REG.
Prerequisite: CMSC330; and permission of CMNS-Computer Science department. Or Must be in the (Computer Science (Doctoral), Computer Science (Master's)) program. Programming language technologies (e.g., object-oriented programming), their implementations and use in software design and implementation.

0101	Walter Cleaveland MW 3:30pm - 4:45pm	Seats (Total: 45) CSI 1121
0201	Evan Golub TuTh 12:30pm - 1:45pm	Seats (Total: 40) CSI 3120

CMSC435 **Software Engineering**

CMSC435 *(PermReq)* **Software Engineering; (3 credits)** Grade Method: REG.
CORE Capstone (CS) Course.
Prerequisite: 1 course with a minimum grade of C- from (CMSC412, CMSC417, CMSC420, CMSC430, CMSC433); and permission of CMNS-Computer Science department. Or Must be in the (Computer Science (Doctoral), Computer Science (Master's)) program. State-of-the-art techniques in software design and development. Laboratory experience in applying the techniques covered. Structured design, structured programming, top-down design and development, segmentation and modularization techniques, iterative enhancement, design and code inspection techniques, correctness, and chief-programmer teams. The development of a large software project.

0101	James Purtilo TuTh 12:30pm - 1:45pm	Seats (Total: 40) CSI 1121

CMSC451 **Design and Analysis of Computer Algorithms**

CMSC451 *(PermReq)* **Design and Analysis of Computer Algorithms; (3 credits)** Grade Method: REG.
Prerequisite: Minimum grade of C- in CMSC351; and permission of CMNS-Computer Science department. Or Must be in the (Computer Science (Doctoral), Computer Science (Master's)) program. Fundamental techniques for designing efficient computer algorithms, proving their correctness, and analyzing their complexity. General topics include sorting, selection, graph algorithms, and basic algorithm design paradigms (such as divide-and-conquer, dynamic programming and greedy algorithms), lower bounds and NP-completeness.

0101	David Mount	Seats (Total: 47)
	TuTh 9:30am - 10:45am	CSI 1122

CMSC456 **Cryptology**

CMSC456 *(PermReq)* **Cryptology; (3 credits)** Grade Method: REG.
Prerequisite: (Any two 400-level MATH courses; or (CMSC351 and CMSC330)); and permission of CMNS-Computer Science department. Or Must be a CMSC graduate student. Also offered as: MATH456. Credit only granted for: CMSC456 or MATH456. Importance in protecting data in communications between computers. The subject lies on the border between mathematics and computer science. Mathematical topics include number theory and probability, and computer science topics include complexity theory.

0101	Jonathan Katz	Seats (Total: 50)
	MWF 10:00am - 10:50am	CSI 1122

CMSC460 **Computational Methods**

CMSC460 *(PermReq)* **Computational Methods; (3 credits)** Grade Method: REG.
Prerequisite: CMSC106, MATH240, and MATH241; and permission of CMNS-Computer Science department. Or Must be in the (Computer Science (Doctoral), Computer Science (Master's)) program. Credit only granted for: AMSC460, AMSC466, CMSC460, or CMSC466. Basic computational methods for interpolation, least squares, approximation, numerical quadrature, numerical solution of polynomial and transcendental equations, systems of linear equations and initial value problems for ordinary differential equations. Emphasis on methods and their computational properties rather than their analytic aspects. Intended primarily for students in the physical and engineering sciences.

0101	Harland Glaz TuTh 12:30pm - 1:45pm	Seats (Total: 35) MTH B0421
0201	Tobias von Petersdorff TuTh 12:30pm - 1:45pm	Seats (Total: 25) MTH 0409

CMSC466 **Introduction to Numerical Analysis I**

CMSC466 *(PermReq)* **Introduction to Numerical Analysis I; (3 credits)** Grade Method: REG.
Prerequisite: CMSC106, MATH240, and MATH241; and permission of CMNS-Computer Science department. Or Must be in the (Computer Science (Doctoral), Computer Science (Master's)) program. Credit only granted for: AMSC460, AMSC466, CMSC460, or CMSC466. Floating point computations, direct methods for linear systems, interpolation, solution of nonlinear equations.

0101	Tobias von Petersdorff TuTh 9:30am - 10:45am	Seats (Total: 28) MTH 0409

CMSC498A **Selected Topics in Computer Science**

CMSC498A *(PermReq)* **Selected Topics in Computer Science; (1-3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CMSC498E **Selected Topics in Computer Science; Technology for CS Startups**

CMSC498E *(PermReq)* **Selected Topics in Computer Science: Technology for CS Startups; (1 credit)** Grade Method: REG/P-F/AUD.
Prerequisite: Permission of department.

0101	Ben Bederson, Ramani Duraiswami, William Arbaugh, Larry Davis W 4:00pm - 5:30pm	Seats (Total: 24) AVW 4172

CMSC498L **Selected Topics in Computer Science; Cybersecurity Lab**

CMSC498L *(PermReq)* **Selected Topics in Computer Science: Cybersecurity Lab; (3 credits)** Grade Method: REG.
Prerequisite: C- or better in CMSC330 and CMSC351 and permission of the department; or permission of both instructor and the department.

0101	Jonathan Katz, Jeffrey Foster, Michael Hicks, Michel Cukier, Gang Qu TuTh 3:30pm - 4:45pm	Seats (Total: 25) AVW 2446

CMSC499A **Independent Undergraduate Research**

CMSC499A *(PermReq)* **Independent Undergraduate Research; (1-3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CMSC651 **Analysis of Algorithms**

CMSC651 Analysis of Algorithms; (3 credits) Grade Method: REG/AUD.
Prerequisite: CMSC451. Efficiency of algorithms, orders of magnitude, recurrence relations, lower-bound techniques, time and space resources, NP-complete problems, polynomial hierarchies, and approximation algorithms. Sorting, searching, set manipulation, graph theory, matrix multiplication, fast Fourier transform, pattern matching, and integer and polynomial arithmetic.

0101	Aravind Srinivasan TuTh 11:00am - 12:15pm	Seats (Total: 40) CSI 2120

CMSC660 **Scientific Computing I**

CMSC660 Scientific Computing I; (3 credits) Grade Method: REG/AUD.
Prerequisite: Must have knowledge of C or Fortran. And CMSC466, AMSC466, AMSC460, or CMSC460; or (Must have knowledge of basic numerical analysis (linear equations, nonlinear equations, integration, interpolation); and permission of instructor). Also offered as: AMSC660. Credit only granted for: AMSC660 or CMSC660. Monte Carlo simulation, numerical linear algebra, nonlinear systems and continuation method, optimization, ordinary differential equations. Fundamental techniques in scientific computation with an introduction to the theory and software for each topic.

0101	Howard Elman	Seats (Total: 55)
	TuTh 9:30am - 10:45am	CSI 2117

CMSC663 **Advanced Scientific Computing I**

CMSC663 Advanced Scientific Computing I; (3 credits) Grade Method: REG.
Also offered as: AMSC663. Credit only granted for: AMSC663 or CMSC663. In the sequence CMSC663, CMSC664 students work on a year-long individual project to develop software for a scientific task in a high perfomance computing environment. Lectures will be given on available computational environments, code development, implementation of parallel algorithms. Also offered as AMSC663.

0101	Radu Balan	Seats (Total: 20)
	TuTh 5:15pm - 6:30pm	CSI 4122

CMSC666 **Numerical Analysis I**

CMSC666 Numerical Analysis I; (3 credits) Grade Method: REG/AUD.
Prerequisite: CMSC466 or AMSC466; and MATH410. Also offered as: AMSC666. Credit only granted for: AMSC666 or CMSC666. Interpolation and approximation, numerical integration, solution algorithms for nonlinear systems of equations, numerical optimization.

0101	Maria Cameron	Seats (Total: 20)
	MWF 12:00pm - 12:50pm	MTH 0411

CMSC714 **High Performance Computing Systems**

CMSC714 High Performance Computing Systems; (3 credits) Grade Method: REG.
Prerequisite: CMSC411 and CMSC412; or permission of instructor. Slected topics in high-performance systems, including contemporary architectures, interconnection topologies, shared memory and message-passing systems, multi-threaded kernels, latency avoidance and hiding techniques, methods for data and workload partitioning performance profiling, debugging.

0101	Alan Sussman	Seats (Total: 35)
	TuTh 11:00am - 12:15pm	CSI 3120

CMSC723 **Computational Linguistics I**

CMSC723 Computational Linguistics I; (3 credits) Grade Method: REG/AUD. *Prerequisite: CMSC421; or students who have taken courses with similar or comparable course content may contact the department; or permission of instructor. Also offered as: LING723. Additional information: May only receive PhD Comp. credit for CMSC723 or CMSC823, not both.* Fundamental methods in natural language processing. Topics include: finite-state methods, context-free and extended context-free models of syntax; parsing and semantics interpretation; n-gram and Hidden Markov models, part-of-speech tagging; natural language applications such as machine translation, automatic summarization, and question answering.

0101	Hal Daume	Seats (Total: 40)
	TuTh 9:30am - 10:45am	CSI 2107

CMSC726 **Machine Learning**

CMSC726 Machine Learning; (3 credits) Grade Method: REG/AUD. *Prerequisite: CMSC421; or students who have taken courses with similar or comparable course content may contact the department; or permission of instructor.* Reviews and analyzes both traditional symbol-processing methods and genetic algorithms as approaches to machine learning. (Neural network learning methods are primarily covered in CMSC 727.) Topics include induction of decision trees and rules, version spaces, candidate elimination algorithm, exemplar-based learning, genetic algorithms, evolution under artificial selection of problem-solving algorithms, system assessment, comparative studies, and related topics.

0101	Hector Corrada Bravo	Seats (Total: 50)
	MWF 3:00pm - 3:50pm	CSI 2117

CMSC733 **Computer Processing of Pictorial Information**

CMSC733 Computer Processing of Pictorial Information; (3 credits) Grade Method: REG/AUD.
Prerequisite: CMSC420. Input, output, and storage of pictorial information. Pictures as information sources, efficient encoding, sampling, quantization, approximation. Position-invariant operations on pictures, digital and optical implementations, the pax language, applications to matched and spatial frequency filtering. Picture quality, image enhancement and image restoration. Picture properties and pictorial pattern recognition. Processing of complex pictures; figure extraction, properties of figures. Data structures for pictures description and manipulation; picture languages. Graphics systems for alphanumeric and other symbols, line drawings of two- and three-dimensional objects, cartoons and movies.

0101	John Aloimonos	Seats (Total: 32)
	TuTh 11:00am - 12:15pm	CSI 3118

CMSC734 **Information Visualization**

CMSC734 Information Visualization; (3 credits) Grade Method: REG/AUD.
Prerequisite: CMSC434; or Must have experience in Human-Computer interaction. Formerly: CMSC838F. Information visualization defined in relation to graphics, scientific visualization, databases, data mining, and human-computer interaction. Visualizations for dimensional, temporal, hierarchical and network data. Examines design alternatives, algorithms and data structures, coordinated views, and human factors evaluations of efficacy.

0101	Ben Shneiderman	Seats (Total: 30)
	F 9:00am - 11:30am	CSI 3118

CMSC737 **Fundamentals of Software Testing**

CMSC737 Fundamentals of Software Testing; (3 credits) Grade Method: REG/AUD.
Prerequisite: CMSC435; or students who have taken courses with similar or comparable course content may contact the department. Formerly: CMSC838M. Examine fundamental software testing and related program analysis techniques. In particular, the important phases of testing will be reviewed, emphasizing th significance of each phase when testing different types of software. Concepts include: test generation, oracles, prioritization and coverage, regression and mutation testing, and program analysis.

0101	Atif Memon	Seats (Total: 30)
	TuTh 9:30am - 10:45am	CSI 2120

CMSC798 **Graduate Seminar in Computer Science**

CMSC798 *(PermReq)* **Graduate Seminar in Computer Science; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CMSC798A **Graduate Seminar in Computer Science**

CMSC798A *(PermReq)* **Graduate Seminar in Computer Science; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
CMSC majors only. Other majors require permission of department.

Contact department for information to register for this course.

CMSC798E **Graduate Seminar in Computer Science**

CMSC798E Graduate Seminar in Computer Science; (1 credit) Grade Method: REG/AUD.

0101	Jeffrey Foster	Seats (Total: 40)
	F 1:00pm - 2:00pm	CSI 2117

CMSC799 **Master's Thesis Research**

CMSC799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CMSC818A **Advanced Topics in Computer Systems; Advanced Topics in Computer Systems**

CMSC818A *(PermReq)* **Advanced Topics in Computer Systems: Advanced Topics in Computer Systems; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CMSC818B **Advanced Topics in Computer Systems; Distributed File Systems: Design and Implementation**

CMSC818B Advanced Topics in Computer Systems: Distributed File Systems: Design and Implementation; (3 credits) Grade Method: REG/AUD.

0101	Peter Keleher	Seats (Total: 25)
	TuTh 12:30pm - 1:45pm	CSI 2107

CMSC818J **Advanced Topics in Computer Systems; Privacy Enhancing Technologies: From Theory to Practice**

CMSC818J Advanced Topics in Computer Systems: Privacy Enhancing Technologies: From Theory to Practice; (3 credits) Grade Method: REG/AUD.

0101	Elaine Shi	Seats (Total: 25)
	TuTh 12:30pm - 1:45pm	CSI 2120

CMSC828A **Advanced Topics in Information Processing**

CMSC828A *(PermReq)* **Advanced Topics in Information Processing; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CMSC828D **Advanced Topics in Information Processing; Human-Level AI and Computational Cognitive Neuroscience**

CMSC828D Advanced Topics in Information Processing: Human-Level AI and Computational Cognitive Neuroscience; (3 credits) Grade Method: REG/AUD.

0101	Donald Perlis	Seats (Total: 25)
	TuTh 12:30pm - 1:45pm	CSI 3118

CMSC828G **Advanced Topics in Information Processing; Image Understanding**

CMSC828G Advanced Topics in Information Processing: Image Understanding; (3 credits) Grade Method: REG/AUD.

0101	Ramalingam Chellappa	Seats (Total: 30)
	MW 11:00am - 12:15pm	EGR 0108

CMSC828X **Advanced Topics in Information Processing; Mobility of Data in a Network Computing Environment**

CMSC828X Advanced Topics in Information Processing: Mobility of Data in a Network Computing Environment; (3 credits) Grade Method: REG/AUD.

0101	Nicholas Roussopoulos	Seats (Total: 25)
	TuTh 3:30pm - 4:45pm	CSI 2107

CMSC838A **Advanced Topics in Programming Languages**

CMSC838A *(PermReq)* **Advanced Topics in Programming Languages; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CMSC838F **Advanced Topics in Programming Languages; Tangible Interactive Computing**

CMSC838F Advanced Topics in Programming Languages: Tangible Interactive Computing; (3 credits) Grade Method: REG/AUD.

0101	Jon Froehlich	Seats (Total: 30)
	MW 3:30pm - 4:45pm	EGR 2154

CMSC858A **Advanced Topics in Theory of Computing**

CMSC858A *(PermReq)* **Advanced Topics in Theory of Computing; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CMSC878A **Advanced Topics in Numerical Methods**

CMSC878A *(PermReq)* **Advanced Topics in Numerical Methods; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CMSC898 **Pre-Candidacy Research**

CMSC898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CMSC899 **Doctoral Dissertation Research**

CMSC899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

COMM Communication Fall 2012

COMM107 **Oral Communication: Principles and Practices**

COMM107 Oral Communication: Principles and Practices; (3 credits) Grade Method: REG/P-F. GenEd: Fundamental Studies - Oral Communications. *Credit only granted for: ARCH403, COMM107, COMM200, ENES143, HLTH420, INAG110, JOUR130 or THET285.* A study of and practice in oral communication, including principles of interviewing, group discussion, listening, informative briefings, and persuasive speeches. Attendance on the first day of classes is mandatory.

0101	Lauren Harris MWF 2:00pm - 2:50pm	Seats (Total: 23) PLS 1176
0201	Timothy Penn TuTh 8:00am - 9:15am	Seats (Total: 25) SKN 0104
0301	Julia Fraustino TuTh 8:00am - 9:15am	Seats (Total: 24) PLS 1184
0401	Kimberley Hannah MWF 10:00am - 10:50am	Seats (Total: 24) PLS 1184
0501	Amanda Irions MWF 1:00pm - 1:50pm	Seats (Total: 24) PLS 1184
0601	Sreashi Das TuTh 12:30pm - 1:45pm	Seats (Total: 24) PLS 1180

0701	Steven Cohen TuTh 11:00am - 12:15pm	Seats (Total: 23) PLS 1176
0801	Annie Nichols MWF 9:00am - 9:50am	Seats (Total: 23) PLS 1176
0901	Lauren Wint TuTh 8:00am - 9:15am	Seats (Total: 24) PLS 1180
1001	Jennifer Bourne TuTh 12:30pm - 1:45pm	Seats (Total: 25) SKN 0104
1101	Paula Nadler MWF 8:00am - 8:50am	Seats (Total: 24) KEY 1117
1201	Mengqi Zhan TuTh 9:30am - 10:45am	Seats (Total: 23) PLS 1176
1301	Liang Ma TuTh 9:30am - 10:45am	Seats (Total: 23) PLS 1162
1401	Karen Lamb TuTh 12:30pm - 1:45pm	Seats (Total: 23) PLS 1176
1501	Ning Xie TuTh 12:30pm - 1:45pm	Seats (Total: 24) PLS 1184
1601	L Gordon TuTh 2:00pm - 3:15pm	Seats (Total: 24) PLS 1184
1701	Annie Nichols MWF 8:00am - 8:50am	Seats (Total: 23) PLS 1176
1801	Ning Xie TuTh 2:00pm - 3:15pm	Seats (Total: 24) PLS 1180
1901	Jacquelyn Murdock TuTh 2:00pm - 3:15pm	Seats (Total: 25) SKN 0104
2001	Samuel Rubin MWF 1:00pm - 1:50pm	Seats (Total: 24) PLS 1180

2101	Jean Vandenbosch MWF 11:00am - 11:50am	Seats (Total: 23) PLS 1176
2201	Kelly Daily MWF 11:00am - 11:50am	Seats (Total: 24) PLS 1184
2301	Jean Vandenbosch MWF 10:00am - 10:50am	Seats (Total: 23) PLS 1176
2401	Yvonne Slosarski MWF 2:00pm - 2:50pm	Seats (Total: 24) PLS 1180
2501	Karen Lamb MWF 8:00am - 8:50am	Seats (Total: 25) SKN 0104
2701	Rachel Elrom MWF 11:00am - 11:50am	Seats (Total: 24) PLS 1180
2901	Jacquelyn Murdock MWF 9:00am - 9:50am	Seats (Total: 24) PLS 1184
3001	Karen Lamb MWF 9:00am - 9:50am	Seats (Total: 25) SKN 0104
3101	Julia Fraustino TuTh 9:30am - 10:45am	Seats (Total: 24) PLS 1184
3201	Timothy Penn TuTh 9:30am - 10:45am	Seats (Total: 25) SKN 0104
3301	Lauren Wint TuTh 9:30am - 10:45am	Seats (Total: 24) PLS 1180
3401	Mengqi Zhan TuTh 8:00am - 9:15am	Seats (Total: 23) PLS 1176
3501	Jeffrey McKinney MWF 8:00am - 8:50am	Seats (Total: 24) PLS 1184
3601	Jeffrey McKinney MWF 9:00am - 9:50am	Seats (Total: 24) PLS 1180

3901	Michael Paquette TuTh 11:00am - 12:15pm	Seats (Total: 23) PLS 1162
4001	Jeffrey McKinney MWF 2:00pm - 2:50pm	Seats (Total: 24) PLS 1184
4101	Jean Vandenbosch MWF 9:00am - 9:50am	Seats (Total: 25) PLS 1111
4201	Katherine Kuhn MWF 9:00am - 9:50am	Seats (Total: 25) PLS 1113
4301	Jeffrey McKinney MWF 11:00am - 11:50am	Seats (Total: 23) JMP 1109
4401	Karen Lamb TuTh 2:00pm - 3:15pm	Seats (Total: 23) PLS 1172
4601	Deepa Anagondahalli MW 2:00pm - 3:15pm	Seats (Total: 23) SQH 1107
4701	Jeffrey McKinney MWF 3:00pm - 3:50pm	Seats (Total: 25) KEY 0123
4801	Samuel Rubin MW 5:00pm - 6:15pm	Seats (Total: 23) SKN 1115
4901	Deepa Anagondahalli MW 3:30pm - 4:45pm	Seats (Total: 25) SQH 1107
5001	Paula Nadler MW 5:00pm - 6:15pm	Seats (Total: 24) KEY 0125
5101	Liang Ma TuTh 8:00am - 9:15am	Seats (Total: 23) PLS 1162
5201	Jessica Lu TuTh 8:00am - 9:15am	Seats (Total: 23) PLS 1168
5301	Michael Paquette TuTh 8:00am - 9:15am	Seats (Total: 24) KEY 0120

5401	Michael Steudeman TuTh 8:00am - 9:15am	Seats (Total: 24) KEY 0121
5501	Leysan Khakimova MW 2:00pm - 3:15pm	Seats (Total: 24) EGR 1102
5601	Amanda Kennedy TuTh 8:00am - 9:15am	Seats (Total: 24) KEY 0124
5701	Amanda Kennedy TuTh 11:00am - 12:15pm	Seats (Total: 24) SQH 1103
5801	Melissa Janoske TuTh 9:30am - 10:45am	Seats (Total: 23) PLS 1168
5901	Jacquelyn Murdock TuTh 3:30pm - 4:45pm	Seats (Total: 25) KEY 0121
6001	L Gordon TuTh 5:00pm - 6:15pm	Seats (Total: 24) PLS 1113
6101	Sreashi Das TuTh 3:30pm - 4:45pm	Seats (Total: 23) SQH 1107
6201	Gerry Strumpf TuTh 3:30pm - 4:45pm	Seats (Total: 24) KEY 0124
6301	Gerry Strumpf TuTh 5:00pm - 6:15pm	Seats (Total: 24) KEY 0124
6401	Katherine Kuhn MWF 8:00am - 8:50am	Seats (Total: 24) PLS 1115
6501	Elizabeth Gardner MW 2:00pm - 3:15pm	Seats (Total: 25) HBK 1112
6601	Samuel Rubin MW 2:00pm - 3:15pm	Seats (Total: 24) SYM 0209
6801	Kimberley Hannah MWF 8:00am - 8:50am	Seats (Total: 24) KEY 0123

6901	Jacquelyn Murdock MWF 8:00am - 8:50am	Seats (Total: 24) PLS 1180
7001	Samuel Rubin MWF 11:00am - 11:50am	Seats (Total: 24) KNI 1105
FC01	Jade Olson MW 3:00pm - 4:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 24) EGR 3106

COMM107M **Oral Communication: Principles and Practices**
Contact department for information to register for this course.

COMM200 **Critical Thinking and Speaking**

COMM200 Critical Thinking and Speaking; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course. GenEd: Fundamental Studies - Oral Communications.
Credit only granted for: ARCH403, COMM107, COMM200, ENES143, HLTH420, INAG110, JOUR130, OR THET285. Theory and practice of persuasive discourse analysis and composition. Research techniques, logical and rhetorical conceptions of argument, and technical principles for persuading in public venues. Attendance on the first day of classes is mandatory.

0101	Jessica Lu TuTh 12:30pm - 1:45pm	Seats (Total: 25) HBK 1108
0201	Yvonne Slosarski MWF 10:00am - 10:50am	Seats (Total: 25) PLS 1111
0401	Yvonne Slosarski MWF 11:00am - 11:50am	Seats (Total: 25) PLS 1115
0501	Jessica Lu TuTh 2:00pm - 3:15pm	Seats (Total: 25) HBK 1108
FC01	L Gordon TuTh 3:30pm - 4:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 25) SQH 1121

COMM200U **Critical Thinking and Speaking**
Contact department for information to register for this course.

COMM230 **Argumentation and Debate**

COMM230 Argumentation and Debate; (3 credits) Grade Method: REG/P-F/AUD.
A study of the fundamental principles of reasoning, analysis, and evidence preparation of debate briefs and presentation of standard academic debate. Attendance on the first day of class is mandatory.

0101	Jon Hoffman TuTh 8:00am - 9:15am	Seats (Total: 24) SYM 0209	
0201	Jon Hoffman TuTh 9:30am - 10:45am	Seats (Total: 24) SYM 0209	
0301	Sean Luechtefeld TuTh 11:00am - 12:15pm	Seats (Total: 24) PLS 1184	
0401	Sean Luechtefeld TuTh 12:30pm - 1:45pm	Seats (Total: 24) PLS 1146	

COMM231 **News Writing and Reporting for Public Relations**

COMM231 *(PermReq)* **News Writing and Reporting for Public Relations; (3 credits)** Grade Method: REG/P-F/AUD.
Restriction: Must be in Communication program; and (Sophomore standing; or Junior standing). Or permission of ARHU-Communication department. Credit only granted for: JOUR201, JOUR201P, JOUR231, or COMM231. Formerly: JOUR231.
Introduction to writing and researching news and information media for public relations; laboratory in news-gathering tools and writing techniques for public relations.

0101	Richard Toth M 11:00am - 12:50pm W 11:00am - 12:50pm	Seats (Total: 18) EGR 3140 EGR 3140	 Lab
0201	Richard Toth M 3:00pm - 4:50pm W 3:00pm - 4:50pm	Seats (Total: 18) EGR 3140 EGR 3140	 Lab

0301	Richard Toth Tu 11:00am - 12:50pm Th 11:00am - 12:50pm	Seats (Total: 18) PLS 1129 PLS 1129	 Lab

COMM232 **News Editing for Public Relations**

COMM232 *(PermReq)* **News Editing for Public Relations; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: Minimum grade of C- in COMM231; or students who have taken courses with similar or comparable course content may contact the department. And permission of ARHU-Communication department. Restriction: Must be in Communication program. Credit only granted for: JOUR202, JOUR202P, JOUR232, or COMM232. Formerly: JOUR232. Copy editing, graphic principles and processes, news and information technologies for public relations.

0101	Pamela Grant Tu 8:00am - 9:15am Th 8:00am - 9:15am	Seats (Total: 18) EGR 3140 EGR 3140	 Lab
0201	Pamela Grant Tu 9:30am - 10:45am Th 9:30am - 10:45am	Seats (Total: 18) EGR 3140 EGR 3140	 Lab

COMM250 **Introduction to Communication Inquiry**

COMM250 Introduction to Communication Inquiry; (3 credits) Grade Method: REG/P-F/AUD.
An introduction to the field of communication. Definitions, models, and contexts of communication; rhetorical theory and rhetorical criticism of discourse.

0101	Susan Hubbard MW 11:00am - 11:50am F 9:00am - 9:50am	Seats (Total: 25) SKN 0200 SQH 1121	 Discussion
0102	Susan Hubbard MW 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 25) SKN 0200 SQH 1121	 Discussion

0103	Susan Hubbard MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 25) SKN 0200 SQH 1121	Discussion
0104	Susan Hubbard MW 11:00am - 11:50am F 9:00am - 9:50am	Seats (Total: 25) SKN 0200 SQH 1117	Discussion
0105	Susan Hubbard MW 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 25) SKN 0200 SQH 1117	Discussion
0106	Susan Hubbard MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 25) SKN 0200 SQH 1117	Discussion
0107	Susan Hubbard MW 11:00am - 11:50am F 9:00am - 9:50am	Seats (Total: 25) SKN 0200 TWS 0236	Discussion
0108	Susan Hubbard MW 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 25) SKN 0200 TWS 0236	Discussion
0109	Susan Hubbard MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 25) SKN 0200 TWS 0236	Discussion

COMM269B **Special Topics in Study Abroad II; Oral Communication for Leaders in the Business World**
Contact department for information to register for this course.

COMM288 **Communication Internship**

COMM288 *(PermReq)* **Communication Internship; (1-6 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

COMM298R **Selected Topics in Communication; Introduction to Public Relations**
Contact department for information to register for this course.

COMM324 **Communication and Gender**

COMM324 Communication and Gender; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course. GenEd: Diversity - Understanding Plural Societies.
The creation of images of male and female, and masculine and feminine, through communication, the differences in male and female communication behaviors and styles, and the implications of those images and styles for male-female transactions.

0101	Alyssa Samek TuTh 3:30pm - 4:45pm	Seats (Total: 140) TYD 0130

COMM330 **Argumentation and Public Policy**

COMM330 Argumentation and Public Policy; (3 credits) Grade Method: REG/P-F/AUD.
Contemporary theories of argumentation with special emphasis on methods of formulating and critiquing public policy argument.

0201	William Lawson TuTh 11:00am - 12:15pm	Seats (Total: 50) SQH 1117

COMM350 **Public Relations Theory**

COMM350 Public Relations Theory; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: COMM231 or COMM250. Restriction: Must be in Communication program. Credit only granted for: COMM350 or COMM430.* The historical development and contemporary status of public relations in business, government, associations and other organizations. Application of communication theory and social science methods to the research, planning, communication and evaluation aspects of the public relations process.

0201	Sahar Khamis TuTh 9:30am - 10:45am	Seats (Total: 35) SYM 0215
0301	Susan Simon TuTh 12:30pm - 1:45pm	Seats (Total: 35) KEY 0103

COMM351 **Public Relations Techniques**

COMM351 *(PermReq)* **Public Relations Techniques; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: COMM232 and COMM350. Restriction: Must be in Communication program. Credit only granted for: COMM351 or JOUR331. Formerly: JOUR331. The techniques of public relations, including news releases, publications and printed materials, audio-visual techniques, speeches and special events. Application of these techniques in laboratory and field projects.

0101	Erich Sommerfeldt M 8:00am - 9:15am W 8:00am - 9:15am	Seats (Total: 18) EGR 3140 EGR 3140	 Lab
0201	Erich Sommerfeldt M 9:30am - 10:45am W 9:30am - 10:45am	Seats (Total: 18) EGR 3140 EGR 3140	 Lab
0301	Erich Sommerfeldt M 1:00pm - 2:15pm W 1:00pm - 2:15pm	Seats (Total: 18) EGR 3140 EGR 3140	 Lab

COMM352 **Specialized Writing in Public Relations**

COMM352 *(PermReq)* **Specialized Writing in Public Relations; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: Minimum grade of C- in COMM351. Restriction: Must be in Communication program. Credit only granted for: COMM352 or JOUR332. Formerly: JOUR332. Public Relations writing for science, technology, health, medicine, corporate finance, educational policy, law and government in broadcast and technical media, as well as newspapers, magazines, proposals, speeches and correspondence.

0101	Melissa Janoske Tu 2:00pm - 3:15pm Th 2:00pm - 3:15pm	Seats (Total: 18) EGR 3140 EGR 3140	 Lab
0201	Melissa Janoske Tu 12:00pm - 1:15pm Th 12:00pm - 1:15pm	Seats (Total: 18) EGR 3140 EGR 3140	 Lab

COMM354 **Public Relations Programs**

COMM354 Public Relations Programs; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: COMM350. Credit only granted for: COMM354 or JOUR334. Formerly: JOUR334.* Analysis of eight major programs typically carried out by public relations professionals: employee relations, media relations, financial relations, member relations, governmental relations, community relations, fundraising and dealing with activist public.

0101	Susan Simon	Seats (Total: 35)
	TuTh 3:30pm - 4:45pm	TYD 1114

COMM371 **Communication and Digital Media**

COMM371 Communication and Digital Media; (3 credits) Grade Method: REG/P-F/AUD.
Restriction: Must be in Communication program. Credit only granted for: COMM371 or COMM398V. Formerly: COMM398V. A basic introduction to communication in the digital age. Through class lectures, assignments and projects, students will learn to effectively use new media for the purpose of strategic message creation and management used in the field of communication. Students will apply the basics of visual layout skills and the principles of visual design to create messages using words and images. This course is restricted to COMM majors at Shady Grove.

SG91	Robert Coleman	Seats (Total: 25)
	MW 9:00am - 10:45am	BLD3 3212
	Restricted to COMM majors at Shady Grove.	

COMM375 **Documentary Theory and Practice**

COMM375 Documentary Theory and Practice; (3 credits) Grade Method: REG/P-F/AUD.
Restriction: Must be in Communication program. A historical and theoretical introduction to documentary films and videos. Students will explore the power of documentaries to address socially significant issues.

SG91	William Lawson	Seats (Total: 20)
	MW 11:00am - 12:15pm	BLD3 3225
	Restricted to COMM majors at Shady Grove.	

COMM382 **Essentials of Intercultural Communication**

COMM382 Essentials of Intercultural Communication; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course. GenEd: Diversity - Cultural Competency. *Credit only granted for: COMM382 or COMM482.* Introduction of major theories and concepts of intercultural communication; examination of processes that make up cultural differences; and use of intercultural communication competence skills.

BL01	Deepa Anagondahalli, Meina Liu Tu 11:00am - 12:15pm Class time/details on ELMs	Seats (Total: 30) KEY 0125 ONLINE
BL02	Deepa Anagondahalli, Meina Liu Tu 9:30am - 10:45am Class time/details on ELMs	Seats (Total: 30) TYD 0101 ONLINE
BL03	Deepa Anagondahalli, Meina Liu Tu 2:00pm - 3:15pm Class time/details on ELMs	Seats (Total: 30) PLS 1119 ONLINE
BL04	Meina Liu Th 11:00am - 12:15pm Class time/details on ELMs	Seats (Total: 30) TYD 1132 ONLINE
BL05	Deepa Anagondahalli, Meina Liu Th 2:00pm - 3:15pm Class time/details on ELMs	Seats (Total: 30) HBK 0109 ONLINE

COMM386 **Experiential Learning**

COMM386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. GenEd: Distributive Studies - Scholarship in Practice.
Prerequisite: Permission of ARHU-Communication department. Restriction: Junior standing or higher; and must be in Communication program. Supervised internship experience with communication professionals. Relation of academic training to professional experience.

0101	Julie Gowin Contact instructor or department for details.	Seats (Total: 60)

COMM388 **Communication Practicum**

COMM388 *(PermReq)* **Communication Practicum; (1-3 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

COMM398 **Selected Topics in Communication**

COMM398 *(PermReq)* **Selected Topics in Communication; (3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

COMM398C **Selected Topics in Communication; Peer Consulting in Oral Communication**

COMM398C *(PermReq)* **Selected Topics in Communication: Peer Consulting in Oral Communication; (3 credits)** Grade Method: REG.
Prerequisite: permission of department. Provides training in the principles and practice of peer consulting in the context of an oral communication center. Students will apply and integrate the knowledge and skills acquired in COMM107 (or COMM200) with new training to help their peers become outsanding listeners and speakers. They will also engage in a group research project designed to extend knowledge in peer conulting best practices.

0101	Rowena Kirby-Straker	Seats (Total: 10)
	Contact instructor or department for details.	

COMM398E **Selected Topics in Communication; Health Communication**

COMM398E Selected Topics in Communication: Health Communication; (3 credits) Grade Method: REG.

0101	Kelly Daily	Seats (Total: 35)
	MW 2:00pm - 3:15pm	SKN 0104
	Restricted to COMM majors only.	

COMM398F **Selected Topics in Communication; Web Graphics, Coding, and Site Design**
Contact department for information to register for this course.

COMM398K **Selected Topics in Communication; Communication and Strategic Message Design**

COMM398K Selected Topics in Communication: Communication and Strategic Message Design; (3 credits) Grade Method: REG.

SG91	Robert Coleman	Seats (Total: 25)
	MW 11:00am - 12:15pm	BLD3 3212
	Restricted to COMM majors at Shady Grove.	

COMM398L **Selected Topics in Communication; Diversity in the Workplace**

COMM398L Selected Topics in Communication: Diversity in the Workplace; (3 credits) Grade Method: REG.
Restricted to COMM majors only.

SG91	Leah Waks	Seats (Total: 20)
	M 2:00pm - 4:45pm	BLD3 2230
	Restricted to COMM majors at Shady Grove.	

COMM398O **Selected Topics in Communication; Digital Media and Democracy**

COMM398O Selected Topics in Communication: Digital Media and Democracy; (3 credits) Grade Method: REG.
Restricted to COMM majors only.

0101	Jon Hoffman	Seats (Total: 75)
	TuTh 2:00pm - 3:15pm	TWS 1100

COMM398W **Selected Topics in Communication; Web Design**

COMM398W Selected Topics in Communication: Web Design; (3 credits) Grade Method: REG.
Restricted to COMM students at Shady Grove.

SG91	Robert Coleman	Seats (Total: 25)
	MW 2:00pm - 3:45pm	BLD3 3212
	Restricted to COMM majors at Shady Grove.	

COMM398X **Selected Topics in Communication; Social Network**

COMM398X Selected Topics in Communication: Social Network; (3 credits)
Grade Method: REG.
Restricted to Shady Grove COMM majors.

SG91	Ahnlee Jang TuTh 3:30pm - 4:45pm	Seats (Total: 40) BLD3 4226	

COMM398Z **Selected Topics in Communication; Media Ethics and Cultural Citizenship**
Contact department for information to register for this course.

COMM399 **Honors Thesis**

COMM399 *(PermReq)* **Honors Thesis; (3 credits)** Grade Method: REG/P-F/AUD.

0401	Edward Fink Contact instructor or department for details.	Seats (Total: 10)	
0601	Leah Waks Contact instructor or department for details.	Seats (Total: 10)	
4001	Xiaoli Nan Contact instructor or department for details.	Seats (Total: 10)	

COMM400 **Research Methods in Communication**

COMM400 Research Methods in Communication; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: COMM250; and Must have an introductory course in statistics.
Restriction: Must be in Communication program. Philosophy of scientific method; role of theory; research ethics; empirical research methods (measurement, sampling, design, analysis). Attendance on the first day of class is mandatory. For majors only.

0101	Anita Seate TuTh 2:00pm - 2:50pm F 9:00am - 9:50am	Seats (Total: 20) MMH 1400 EGR 3140	 Discussion
0102	Anita Seate TuTh 2:00pm - 2:50pm F 10:00am - 10:50am	Seats (Total: 20) MMH 1400 EGR 3140	 Discussion

0103	Anita Seate TuTh 2:00pm - 2:50pm F 11:00am - 11:50am	Seats (Total: 20) MMH 1400 EGR 3140	Discussion
0104	Anita Seate TuTh 2:00pm - 2:50pm F 2:00pm - 2:50pm	Seats (Total: 20) MMH 1400 EGR 3140	Discussion
0105	Anita Seate TuTh 2:00pm - 2:50pm F 12:00pm - 12:50pm	Seats (Total: 20) MMH 1400 EGR 3140	Discussion
0106	Anita Seate TuTh 2:00pm - 2:50pm F 1:00pm - 1:50pm	Seats (Total: 20) MMH 1400 EGR 3140	Discussion

COMM401 **Interpreting Strategic Discourse**

COMM401 Interpreting Strategic Discourse; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: COMM250. Restriction: Must be in Communication program. Principles and approaches for practical analysis of discourse designed to shape audience opinion. Attendance on the first day of classes is mandatory.

0101	William Lawson TuTh 12:30pm - 1:20pm W 9:00am - 9:50am	Seats (Total: 20) JMP 3201 MMH 0108	Discussion
0102	William Lawson TuTh 12:30pm - 1:20pm W 10:00am - 10:50am	Seats (Total: 20) JMP 3201 MMH 0108	Discussion
0103	William Lawson TuTh 12:30pm - 1:20pm W 11:00am - 11:50am	Seats (Total: 20) JMP 3201 MMH 0108	Discussion
0104	William Lawson TuTh 12:30pm - 1:20pm W 9:00am - 9:50am	Seats (Total: 20) JMP 3201 LEF 2208	Discussion

0105	William Lawson TuTh 12:30pm - 1:20pm W 10:00am - 10:50am	Seats (Total: 20) JMP 3201 LEF 2208	Discussion
0106	William Lawson TuTh 12:30pm - 1:20pm W 11:00am - 11:50am	Seats (Total: 20) JMP 3201 LEF 2208	Discussion
SG91	William Lawson MW 12:30pm - 1:45pm *Restricted to COMM majors at Shady Grove.*	Seats (Total: 40) BLD3 4206	

COMM402 **Communication Theory and Process**

COMM402 Communication Theory and Process; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: COMM250. Restriction: Must be in Communication program.
Philosophical and conceptual analysis of communication theories. Attendance on the first day of classes is mandatory.

0101	Dale Hample MW 12:00pm - 12:50pm M 9:00am - 9:50am	Seats (Total: 20) JMP 3201 HBK 1112	Discussion
0102	Dale Hample MW 12:00pm - 12:50pm M 10:00am - 10:50am	Seats (Total: 20) JMP 3201 HBK 1112	Discussion
0103	Dale Hample MW 12:00pm - 12:50pm M 11:00am - 11:50am	Seats (Total: 20) JMP 3201 HBK 1112	Discussion
0104	Dale Hample MW 12:00pm - 12:50pm M 9:00am - 9:50am	Seats (Total: 20) JMP 3201 MMH 0108	Discussion
0105	Dale Hample MW 12:00pm - 12:50pm M 10:00am - 10:50am	Seats (Total: 20) JMP 3201 MMH 0108	Discussion

0106	Dale Hample MW 12:00pm - 12:50pm M 11:00am - 11:50am	Seats (Total: 20) JMP 3201 MMH 0108	 Discussion
SG91	David Payne TuTh 12:30pm - 1:45pm *Restricted to COMM majors at Shady Grove.*	Seats (Total: 40) BLD3 4219	

COMM425 **Negotiation and Conflict Management**

COMM425 Negotiation and Conflict Management; (3 credits) Grade Method: REG/P-F/AUD.
Role of communication in shaping negotiation and conflict processes and outcomes.

0301	Lauren Edelstein TuTh 2:00pm - 3:15pm	Seats (Total: 60) JMP 3201	
SG91	David Payne TuTh 11:00am - 12:15pm *Restricted to COMM majors at Shady Grove.*	Seats (Total: 40) BLD3 4219	

COMM426 **Conflict Management**

COMM426 Conflict Management; (3 credits) Grade Method: REG/P-F/AUD. *Recommended: COMM425; and COMM250; and COMM402.* Role of communication in managing conflict processes.

0101	Lauren Edelstein TuTh 3:30pm - 4:45pm	Seats (Total: 60) JMP 3201	

COMM427 **Crisis Communication**

COMM427 Crisis Communication; (3 credits) Grade Method: REG/P-F/AUD. *Credit only granted for: COMM398C or COMM427. Formerly: COMM398C.* Explores theories and research related to communication before, during, and after a crisis. Students examine the fundamentals of organizational communication, crisis management, and strategic and crisis communication planning before examining case studies of a number of real-life crises: organizational crises, natural disasters, accidents, terrorism incidents, health crises, and major crises of credibility.

SG91	Judith Tenney TuTh 2:00pm - 3:15pm *Restricted to COMM majors at Shady Grove.*	Seats (Total: 40) BLD3 4206

COMM450 **Ancient and Medieval Rhetorical Theory**

COMM450 Ancient and Medieval Rhetorical Theory; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: COMM250. Restriction: Must be in Communication program. Credit only granted for: COMM450 or COMM650. A survey of rhetorical theory in the ancient and medieval periods. Emphasis is placed on the theoretical problems that gave rise to its development within both periods. Authors include Isocrates, Plato, Aristotle, Cicero, Quintilian, Hermogenes, Martianus Capella, Aurelius Augustine, Alberic of Monte Cassino, Geoffrey of Vinsauf and Robert of Basevorn.

0101	Jon Hoffman TuTh 11:00am - 12:15pm	Seats (Total: 50) TYD 0117

COMM455 **Speechwriting**

COMM455 Speechwriting; (3 credits) Grade Method: REG/P-F/AUD.
The study of message strategies in order to research and develop effective speech texts appropriate to speakers and their audiences in various public contexts.

SG91	Judith Tenney TuTh 3:30pm - 4:45pm *Restricted to COMM majors at Shady Grove.*	Seats (Total: 40) BLD3 4206

COMM458C **Seminar in Political Communication; Civic Communication**

COMM458C Seminar in Political Communication: Civic Communication; (3 credits) Grade Method: REG/P-F/AUD.

0101	Kristjana Maddux TuTh 9:30am - 10:45am	Seats (Total: 35) TYD 2102

COMM458P **Seminar in Political Communication; The History of Presidential Campaign Communication, 1800-2012**

COMM458P Seminar in Political Communication: The History of Presidential Campaign Communication, 1800-2012; (3 credits) Grade Method: REG/P-F/AUD.

0101	Alyssa Samek	Seats (Total: 30)
	Th 6:30pm - 9:30pm	SQH 1107

COMM460 **Public Life in American Communities, 1634-1900**

COMM460 Public Life in American Communities, 1634-1900; (3 credits) Grade Method: REG/P-F/AUD.
Ways that Americans have used their voice to create public life. Focus is on the diverse social communities that have characterized American life and the place and characteristics of oral discourse in each.

0101	James Klumpp	Seats (Total: 35)
	TuTh 12:30pm - 1:45pm	TYD 2111

COMM468A **Seminar in Mediated Communication; Arab Media**

COMM468A Seminar in Mediated Communication: Arab Media; (3 credits) Grade Method: REG/P-F/AUD.

0101	Sahar Khamis	Seats (Total: 35)
	TuTh 12:30pm - 1:45pm	TYD 1132

COMM470 **Listening**

COMM470 Listening; (3 credits) Grade Method: REG/P-F/AUD.
The principles of listening behavior.

0101	Andrew Wolvin	Seats (Total: 35)
	TuTh 11:00am - 12:15pm	SKN 0104

COMM475 **Persuasion**

COMM475 Persuasion; (3 credits) Grade Method: REG/P-F/AUD.
Bases of persuasion, with emphasis on recent experimental developments in persuasion.

0401	Susan Hubbard MW 12:30pm - 1:45pm	Seats (Total: 50) HBK 0115

COMM476 **Language, Communication, and Action**

COMM476 Language, Communication, and Action; (3 credits) Grade Method: REG/P-F/AUD.
The nature of communication as symbolic action. Topics include language, meaning, intention, understanding, and consequences of communication.

SG91	Frederic Whiting TuTh 2:00pm - 3:15pm *Restricted to COMM students at Shady Grove.*	Seats (Total: 40) BLD2 3062

COMM478 **Communication Colloquium**

COMM478 Communication Colloquium; (1 credit) Grade Method: REG/P-F/AUD.

0101	Anita Seate F 12:00pm - 1:30pm	Seats (Total: 50) SKN 0200

COMM483 **Senior Seminar in Public Relations**

COMM483 *(PermReq)* **Senior Seminar in Public Relations; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: COMM351 and COMM400. Credit only granted for: COMM483 or JOUR483. Formerly: JOUR483. Integration of theory, techniques and research methods into the planning and execution of public relations campaigns for specific organizations. Analysis of research on the case studies of public relations.

0101	Susan Simon TuTh 9:30am - 10:45am	Seats (Total: 20) ASY 3221

COMM489 **Topical Research**

COMM489 *(PermReq)* **Topical Research; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

COMM498B **Seminar; Bateman Competition**

COMM498B *(PermReq)* **Seminar: Bateman Competition; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Susan Simon	Seats (Total: 20)
	Contact instructor or department for details.	

COMM602 **Communication Theory**

COMM602 Communication Theory; (3 credits) Grade Method: REG/AUD. *Restriction: Must be in one of the following programs (Communication (Master's); Communication (Doctoral)).* Fundamental concepts, approaches, and problems in communication theory.

0101	Dale Hample	Seats (Total: 15)
	W 6:30pm - 9:30pm	SKN 2127

COMM652 **Contemporary Rhetorical Theory**

COMM652 Contemporary Rhetorical Theory; (3 credits) Grade Method: REG/AUD. *Formerly: SPCH652.* A study of twentieth century theories of rhetoric. Special attention will be devoted to Richard Weaver, Kenneth Burke, Lloyd Bitzer, Ernest Bormann, Walter Fisher, and the continental theorists of communication such as Chaim Perelman and Jurgen Habermas.

0101	James Klumpp	Seats (Total: 15)
	M 6:30pm - 9:30pm	SKN 2127

COMM686 **Teaching Communication**

COMM686 Teaching Communication; (1 credit) Grade Method: REG/AUD. *Formerly: SPCH686.* Principles of effective teaching--content and process--in the college communication classroom.

0101	Andrew Wolvin	Seats (Total: 30)
	W 12:00pm - 1:00pm	SKN 2127

COMM688 **Communication Field Experience**

COMM688 *(PermReq)* **Communication Field Experience; (1-6 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

COMM698 **Special Problems in Communication**

COMM698 *(PermReq)* **Special Problems in Communication; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

COMM700 **Introduction to Graduate Study in Communication**

COMM700 Introduction to Graduate Study in Communication; (3 credits) Grade Method: REG/AUD.
Restriction: Must be in Communication (Doctoral) program. Formerly: SPCH700.
Basic skills in communication research.

0101	Kristjana Maddux	Seats (Total: 30)
	Tu 3:30pm - 6:30pm	SKN 2127

COMM703 **Advanced Quantitative Data Analysis in Communication Research: Structural Equation Models**

COMM703 Advanced Quantitative Data Analysis in Communication Research: Structural Equation Models; (3 credits) Grade Method: REG/AUD.
Prerequisite: COMM702. Restriction: Permission of instructor. Formerly: SPCH703.
Model evaluation and theory construction in communication research. Causal systems in current communication research: recursive, nonrecursive, and unobserved variable models. Students must have a dissertation research project requiring quantitative methods.

0101	Edward Fink	Seats (Total: 15)
	Tu 3:30pm - 6:30pm	SKN 3117

COMM712 **Advanced Historical/Critical Methods in Communication Research**

COMM712 Advanced Historical/Critical Methods in Communication Research; (3 credits) Grade Method: REG/AUD.
Prerequisite: COMM711. Restriction: Permission of instructor. Formerly: SPCH712. Critical assessment of qualitative approaches to communication. Introduction to significant schools of historical and critical research. Advanced techniques for inquiry and manuscript preparation. Students must have dissertation research project requiring historical or critical method.

0101	Trevor Parry-Giles Th 3:30pm - 6:30pm	Seats (Total: 15) SKN 3117

COMM714 **Introduction to Qualitative Methods in Communication Research**

COMM714 *(PermReq)* **Introduction to Qualitative Methods in Communication Research; (3 credits)** Grade Method: REG/AUD.
Restriction: Permission of instructor. Methods for field research in communication including interiewing, ethnographic and participant intervention, focus groups, and content analysis. Formulation of significant research questions, systematic collection of field data, formulating substantial claims from the research, organizing and writing research from disciplinary outlets.

0101	Elizabeth Toth W 3:30pm - 6:30pm	Seats (Total: 15) SKN 2127

COMM739C **topics in Public Relations; Crisis Communication**

COMM739C topics in Public Relations: Crisis Communication; (3 credits) Grade Method: REG/AUD.

0101	Brooke Liu M 3:30pm - 6:30pm	Seats (Total: 15) SKN 3117

COMM779 **Seminar: Special Topics in Persuasion and Attitude Change; Models of Persuasion**

COMM779 Seminar: Special Topics in Persuasion and Attitude Change: Models of Persuasion; (3 credits) Grade Method: REG/AUD.

0101	Edward Fink M 3:30pm - 6:30pm	Seats (Total: 15) SKN 2127

COMM798 **Independent Study**

COMM798 *(PermReq)* **Independent Study; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

COMM799 **Master's Thesis Research**

COMM799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

COMM888 **Doctoral Practicum in Communication**

COMM888 *(PermReq)* **Doctoral Practicum in Communication; (3-9 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

COMM889 **Doctoral Tutorial in Communication**

COMM889 *(PermReq)* **Doctoral Tutorial in Communication; (3-9 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

COMM898 **Pre-Candidacy Research**

COMM898 *(PermReq)* **Pre-Candidacy Research; (1-8 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

COMM899 **Doctoral Dissertation Research**

COMM899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CONS Sustainable Development & Conservation Biology Fall 2012

CONS609I **Special Topics in Conservation Biology; Internship**

CONS609I Special Topics in Conservation Biology: Internship; (1-3 credits) Grade Method: S-F.

0101	Karen Lips	Seats (Total: 20)
	Contact instructor or department for details.	

CONS670 **Conservation Biology**

CONS670 Conservation Biology; (3 credits) Grade Method: REG/AUD.
Single species conservation theory and practice: population viability assessment, conservation genetics and demography, metapopulations, reintroduction and conservation education. Also offered as MEES670. Course is taught at College Park and on the Interactive Video Network.

0101	Keryn Gedan	Seats (Total: 25)
	W 1:00pm - 4:00pm	HJP 1213C

CONS798 **Research Papers in Sustainable Development and Conservation Biology**

CONS798 Research Papers in Sustainable Development and Conservation Biology; (1-4 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CPSP College Park Scholars Program Fall 2012

CPSP118A **College Park Scholars First-Year Colloquium I; Arts**

CPSP118A College Park Scholars First-Year Colloquium I: Arts; (1 credit) Grade Method: REG.
Restricted to College Park Scholars - Arts.

0101	Harold Burgess	Seats (Total: 90)
	M 6:00pm - 7:15pm	CCC 1100

CPSP118B **College Park Scholars First-Year Colloquium I; Business, Society, and the Economy**

CPSP118B College Park Scholars First-Year Colloquium I: Business, Society, and the Economy; (1 credit) Grade Method: REG.
This colloquium is designed as a compilation of field experiences and special presentations; consequently, dates and times of class sessions will vary. A mandatory session for all students enrolled in the course is set for Wednesday, August 29th, at 6 p.m., in room 1100 of the Cambridge Community Center. Together with the instructor, students will review the syllabus, colloquium requirements and semester schedule.

0101	Mark Wellman Contact instructor or department for details.	Seats (Total: 43)	
0201	Mark Wellman Contact instructor or department for details.	Seats (Total: 43)	

CPSP118D **College Park Scholars First-Year Colloquium I; Science, Discovery, and Universe**

CPSP118D College Park Scholars First-Year Colloquium I: Science, Discovery, and Universe; (1 credit) Grade Method: REG.
Restricted to College Park Scholars - Science, Discovery, and the Universe. First colloquium will meet in CCC 1205.

0101	Paul Romani Th 4:00pm - 5:20pm	Seats (Total: 45) CCC 1205	
0102	Alan Peel Th 4:00pm - 5:20pm	Seats (Total: 45) CCC 1111	

CPSP118E **College Park Scholars First-Year Colloquium I**

CPSP118E College Park Scholars First-Year Colloquium I; (1 credit) Grade Method: REG/P-F/AUD.
Each week we will meet in lecture OR discussion section, but not both. The first week of classes we will all convene at 4:30 p.m., on Wednesday , August 29th, in room 1205 of the Cambridge Community Center (CCC).

0101	Becky Archer W 4:30pm - 5:45pm W 4:30pm - 5:20pm	Seats (Total: 21) CCC 1205 CCC 1105	 Discussion

0102	Becky Archer W 4:30pm - 5:45pm W 3:30pm - 4:20pm	Seats (Total: 21) CCC 1205 CCC 1105	Discussion
0103	Becky Archer W 4:30pm - 5:45pm Th 3:00pm - 3:50pm	Seats (Total: 21) CCC 1205 CBD 1140	Discussion
0104	Becky Archer W 4:30pm - 5:45pm Th 4:00pm - 4:50pm	Seats (Total: 21) CCC 1205 CBD 1140	Discussion
0201	Becky Archer Contact instructor or department for details.	Seats (Total: 1)	

CPSP118F **College Park Scholars First-Year Colloquium I; Global Public Health**

CPSP118F College Park Scholars First-Year Colloquium I: Global Public Health; (1 credit) Grade Method: REG/P-F/AUD.
Restricted to College Park Scholars - Global Public Health (CPGH).

0101	Krishna Bhagat, Greg Raspanti W 3:00pm - 4:30pm	Seats (Total: 80) CCC 1100	

CPSP118G **College Park Scholars First-Year Colloquium I; Science and Global Change**

CPSP118G College Park Scholars First-Year Colloquium I: Science and Global Change; (1 credit) Grade Method: REG.
Restricted to College Park Scholars - Science and Global Change.

0101	Thomas Holtz, John Merck Tu 3:30pm - 4:50pm	Seats (Total: 84) CCC 1100	

CPSP118J **College Park Scholars First-Year Colloquium I; Media, Self, and Society**

CPSP118J College Park Scholars First-Year Colloquium I: Media, Self, and Society; (1 credit) Grade Method: REG.
Restricted to College Park Scholars - Media, Self, and Society.

0101	Kalyani Chadha Th 3:30pm - 4:50pm	Seats (Total: 90) CCC 1100	

CPSP118L **College Park Scholars First-Year Colloquium I; Life Sciences**

CPSP118L College Park Scholars First-Year Colloquium I: Life Sciences; (2 credits) Grade Method: REG.
Restricted to College Park Scholars - Life Sciences.

0101	Reid Compton W 3:30pm - 5:30pm	Seats (Total: 100) PLS 1140	

CPSP118N **College Park Scholars First-Year Colloquium I; International Studies**

CPSP118N College Park Scholars First-Year Colloquium I: International Studies; (2 credits) Grade Method: REG.
Restricted to College Park Scholars - International Studies. Meets every other week. The first class will meet on Monday, September 10, 2012.

0101	James Glass M 4:45pm - 6:45pm M 6:45pm - 8:00pm	Seats (Total: 25) ASY 2203 TWS 0201	Discussion
0102	James Glass M 4:45pm - 6:45pm M 6:45pm - 8:00pm	Seats (Total: 25) ASY 2203 TWS 0214	Discussion
0103	James Glass M 4:45pm - 6:45pm M 6:45pm - 8:00pm	Seats (Total: 25) ASY 2203 TWS 0221	Discussion
0104	James Glass M 4:45pm - 6:45pm M 6:45pm - 8:00pm	Seats (Total: 25) ASY 2203 TWS 0234	Discussion
0105	James Glass M 4:45pm - 6:45pm M 6:45pm - 8:00pm	Seats (Total: 25) ASY 2203 ASY 3219	Discussion

CPSP118P **College Park Scholars First-Year Colloquium I; Public Leadership**

CPSP118P College Park Scholars First-Year Colloquium I: Public Leadership; (1 credit) Grade Method: REG. GenEd: Diversity - Cultural Competency.
Restricted to College Park Scholars - Public Leadership.

0101	Nina Harris W 2:00pm - 3:15pm	Seats (Total: 27) TLF 1126
0201	Nina Harris Tu 2:00pm - 3:15pm	Seats (Total: 35) CCC 1111
0301	Nina Harris Tu 3:30pm - 4:45pm	Seats (Total: 35) CCC 1111

CPSP118T **College Park Scholars First-Year Colloquium I; Science, Technology, and Society**

CPSP118T College Park Scholars First-Year Colloquium I: Science, Technology, and Society; (1 credit) Grade Method: REG.
Restricted to College Park Scholars - Science, Technology, and Society.

0101	Betsy Mendelsohn, Frederic Katz, Matthew Aruch M 3:30pm - 4:50pm	Seats (Total: 90) CCC 1205

CPSP218A **College Park Scholars Second-Year Colloquium I; Arts**

CPSP218A College Park Scholars Second-Year Colloquium I: Arts; (1 credit) Grade Method: REG.
Restricted to College Park Scholars - Arts.

0101	Emily Warheit Tu 6:00pm - 7:15pm	Seats (Total: 80) CCC 1100

CPSP218B **College Park Scholars Second-Year Colloquium I; Business, Society, and the Economy**

CPSP218B College Park Scholars Second-Year Colloquium I: Business, Society, and the Economy; (1 credit) Grade Method: REG.
Restricted to College Park Scholars-Business, Society, and the Economy.

0101	Mark Wellman Th 6:00pm - 6:50pm	Seats (Total: 80) VMH 1330

CPSP218D **College Park Scholars Second-Year Colloquium I; Science, Discovery and the Universe**

CPSP218D College Park Scholars Second-Year Colloquium I: Science, Discovery and the Universe; (1 credit) Grade Method: REG.
Restricted to College Park Scholars- Science, Discovery and the Universe.

0101	Neal Miller	Seats (Total: 85)	
	W 4:30pm - 5:30pm	CCC 1100	

CPSP218E **College Park Scholars Second-Year Colloquium I; Environment, Technology and Economy**

CPSP218E College Park Scholars Second-Year Colloquium I: Environment, Technology and Economy; (1 credit) Grade Method: REG.
Restricted to College Park Scholars - Environment, Technology and Econom y. Each week we will meet in plenary OR discussion, but not both. For our first class, we will all convene on Thursday, August 30th, at 5 p.m., in 1100 Cambridge Community Center.

0101	Becky Archer	Seats (Total: 25)	
	Th 5:00pm - 6:15pm	CCC 1100	
	W 2:00pm - 2:50pm	CCC 1111	Discussion
0201	Becky Archer	Seats (Total: 25)	
	Th 5:00pm - 6:15pm	CCC 1100	
	Th 5:00pm - 5:50pm	CCC 1115	Discussion
0301	Becky Archer	Seats (Total: 25)	
	Th 5:00pm - 6:15pm	CCC 1100	
	Th 6:00pm - 6:50pm	CCC 1115	Discussion

CPSP218F **College Park Scholars Second-Year Colloquium I; Global Public Health**

CPSP218F College Park Scholars Second-Year Colloquium I: Global Public Health; (1 credit) Grade Method: REG.
Restricted to College Park Scholars- Global Public Health.

0101	Muhiuddin Haider	Seats (Total: 75)	
	Tu 3:30pm - 5:00pm	CCC 1205	

CPSP218G **College Park Scholars Second-Year Colloquium I; Science and Global Change**

CPSP218G College Park Scholars Second-Year Colloquium I: Science and Global Change; (1 credit) Grade Method: REG.
Restricted to College Park Scholars - Science and Global Change

0101	Thomas Holtz, John Merck M 3:30pm - 4:50pm	Seats (Total: 80) CCC 1100

CPSP218J **College Park Scholars Second-Year Colloquium I; Media, Self, and Society**

CPSP218J College Park Scholars Second-Year Colloquium I: Media, Self, and Society; (1 credit) Grade Method: REG.
Restricted to College Park Scholars - Media, Self, and Society.

0101	Kalyani Chadha Tu 2:00pm - 3:20pm	Seats (Total: 80) CCC 1100

CPSP218L **College Park Scholars Second-Year Colloquium I; Life Sciences**

CPSP218L *(PermReq)* **College Park Scholars Second-Year Colloquium I: Life Sciences; (1 credit)** Grade Method: REG.
Restricted to College Park Scholars - Life Sciences. First lecture of the semester for all sections (including those listed as TBA) will meet on Thursday, September 1st, from 4pm-6pm. Location TBA.

0101	Daphne Soares, Reid Compton Tu 4:00pm - 6:00pm	Seats (Total: 25) PLS 1115
0201	Reid Compton Th 4:00pm - 6:00pm	Seats (Total: 25) PLS 1146
0301	Patricia Shields, Reid Compton Tu 4:00pm - 6:00pm	Seats (Total: 25) PLS 1172
0401	Reid Compton Th 4:00pm - 6:00pm	Seats (Total: 25) PLS 1164

CPSP218P **College Park Scholars Second-Year Colloquium I; Public Leadership**

CPSP218P College Park Scholars Second-Year Colloquium I: Public Leadership; (1 credit) Grade Method: REG.
Restricted to College Park Scholars - Public Leadership.

0101	Richard Auxier Tu 3:30pm - 4:45pm	Seats (Total: 25) CCC 1105
0201	Richard Auxier W 2:00pm - 3:15pm	Seats (Total: 25) KNI 1103
0301	Richard Auxier Tu 2:00pm - 3:15pm	Seats (Total: 25) CCC 1105

CPSP227 **College Park Scholars Capstone: Science, Technology, and Society**

CPSP227 College Park Scholars Capstone: Science, Technology, and Society; (3 credits) Grade Method: REG. CORE Behavioral and Social Science (SB) Course. *Prerequisite: Must have completed an [SB] CORE course. Restriction: Must be in the College Park Scholars Program.* Exploration and understanding of ways science and technology shape and are shaped by society. Restricted to College Park Scholars - Science, Technology, and Society a nd to students pursuing the STS University Certificate.

0101	David Tomblin TuTh 9:30am - 10:45am	Seats (Total: 20) CCC 1105
0201	Frederic Katz TuTh 12:30pm - 1:45pm	Seats (Total: 20) CCC 1105

CPSP239A **Practicum: Internship; ARTS**
Contact department for information to register for this course.

CPSP239J **Practicum: Internship**
Contact department for information to register for this course.

CPSP239L **Practicum: Internship**

CPSP239L Practicum: Internship; (1 credit) Grade Method: REG.

0101	Reid Compton	Seats (Total: 1)
	Contact instructor or department for details.	

CPSP239P **Practicum: Internship; Individual Practicum**
Contact department for information to register for this course.

CPSP239T **Practicum: Internship; Science, Technology, and Society**

CPSP239T Practicum: Internship: Science, Technology, and Society; (1 credit) Grade Method: REG.
Restricted to College Park Scholars-Science, Technology, and Society.

0101	Frederic Katz, Betsy Mendelsohn	Seats (Total: 15)
	Th 3:40pm - 5:00pm	CCC 1115

CPSP249A **Practicum: Service-Learning; Arts**

CPSP249A Practicum: Service-Learning: Arts; (2 credits) Grade Method: REG.

0101	Harold Burgess	Seats (Total: 15)
	W 5:30pm - 6:30pm	CCC 1105

CPSP249L **Practicum: Service-Learning; Life Sciences**

CPSP249L Practicum: Service-Learning: Life Sciences; (2 credits) Grade Method: REG.
Restricted to College Park Scholars - Life Sciences.

0101	Reid Compton	Seats (Total: 20)
	Contact instructor or department for details.	

CPSP249T **Practicum: Service-Learning; Science, Technology, and Society**

CPSP249T Practicum: Service-Learning: Science, Technology, and Society; (1 credit) Grade Method: REG/P-F/AUD.
Restricted to College Park Scholars - Science, Technology, and Society.

0101	Matthew Aruch	Seats (Total: 12)
	Tu 4:30pm - 6:00pm	CCC 1115

CPSP259J **Practicum: Research; Media, Self, and Society**
Contact department for information to register for this course.

CPSP269N **Practicum: Peer Teaching**
Contact department for information to register for this course.

CPSP269T **Practicum: Peer Teaching; Science, Technology, and Society**

CPSP269T Practicum: Peer Teaching: Science, Technology, and Society; (1 credit) Grade Method: REG.

0101	Matthew Aruch	Seats (Total: 15)
	Tu 2:00pm - 3:15pm	CCC 1115

CPSP279A **Practicum: Study Abroad**
Contact department for information to register for this course.

CPSP318B **College Park Scholars Special Topics; Business, Society and Economics**
Contact department for information to register for this course.

CPSP318N **College Park Scholars Special Topics**
Contact department for information to register for this course.

CPSP339A **Advanced Practicum: Internship; Arts**
Contact department for information to register for this course.

CPSP339B **Advanced Practicum: Internship; Business, Society, and the Economy**
Contact department for information to register for this course.

CPSP339D **Advanced Practicum: Internship; Science, Discovery, and the Universe**
Contact department for information to register for this course.

CPSP339E **Advanced Practicum: Internship; Environment, Technology and Economy**
Contact department for information to register for this course.

CPSP339G **Advanced Practicum: Internship; Science and Global Change**
Contact department for information to register for this course.

CPSP339J	**Advanced Practicum: Internship; Media, Self, and Society** **Contact department for information to register for this course.**
CPSP339L	**Advanced Practicum: Internship; Life Sciences** **Contact department for information to register for this course.**
CPSP339N	**Advanced Practicum: Internship; International Studies** **Contact department for information to register for this course.**
CPSP339P	**Advanced Practicum: Internship; Public Leadership** **Contact department for information to register for this course.**
CPSP369A	**Advanced Practicum: Peer Teaching; Arts** **Contact department for information to register for this course.**
CPSP369D	**Advanced Practicum: Peer Teaching; Science, Discovery, and the Universe** **Contact department for information to register for this course.**
CPSP369E	**Advanced Practicum: Peer Teaching; Environment, Technology and Economy** **Contact department for information to register for this course.**
CPSP369G	**Advanced Practicum: Peer Teaching; Science and Global Change** **Contact department for information to register for this course.**
CPSP369L	**Advanced Practicum: Peer Teaching; Life Sciences** **Contact department for information to register for this course.**
CPSP369N	**Advanced Practicum: Peer Teaching; International Studies** **Contact department for information to register for this course.**
CPSP369P	**Advanced Practicum: Peer Teaching; Public Leadership** **Contact department for information to register for this course.**
CPSP369T	**Advanced Practicum: Peer Teaching; Science, Technology, and Society** **Contact department for information to register for this course.**

DANC Dance Fall 2012

DANC102 **Rhythmic Training for Dance**

DANC102 Rhythmic Training for Dance; (2 credits) Grade Method: REG/P-F/AUD. *Restriction: Must be in Dance program; or permission of ARHU-School of Theatre, Dance & Performance Studies department.* Basic approaches to rhythmic principles related to dance.

0101	Isiah Johnson	Seats (Total: 25)	
	MW 2:00pm - 3:15pm	PAC 1908	

DANC109 **Improvisation I**

DANC109 *(PermReq)* **Improvisation I; (2 credits)** Grade Method: REG/P-F/AUD. Prerequisite: by permission of department.

0101	Graham Brown	Seats (Total: 25)	
	TuTh 12:30pm - 1:45pm	PAC 1912	Lab

DANC128 **Fundamentals of Ballet**

DANC128 Fundamentals of Ballet; (2 credits) Grade Method: REG/P-F/AUD.

0101	Lynne Price	Seats (Total: 30)	
	TuTh 11:00am - 12:15pm	PKT 2102	Lab
0102	Nicole McClam	Seats (Total: 30)	
	TuTh 12:30pm - 1:45pm	PKT 2102	Lab

DANC138C **Introduction to Ethnic Dance; World Dance Forms: Chinese Folk Dance**

DANC138C Introduction to Ethnic Dance: World Dance Forms: Chinese Folk Dance; (2 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.

0101	Xuejuan Feng	Seats (Total: 30)	
	TuTh 2:00pm - 3:15pm	PKT 2102	Lab

DANC138W **Introduction to Ethnic Dance; World Dance Forms: West African Dance**

DANC138W Introduction to Ethnic Dance: World Dance Forms: West African Dance; (2 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.

0101	Kwame Opare TuTh 2:00pm - 3:15pm	Seats (Total: 30) PAC 1912	Lab
0102	Kwame Opare TuTh 3:30pm - 4:45pm	Seats (Total: 30) PAC 1912	Lab

DANC148 **Fundamentals of Modern Dance**

DANC148 Fundamentals of Modern Dance; (2 credits) Grade Method: REG/P-F/AUD.

0101	Xuejuan Feng TuTh 9:30am - 10:45am	Seats (Total: 30) PAC 1610	Lab
0102	Graham Brown TuTh 11:00am - 12:15pm	Seats (Total: 30) PAC 1610	Lab
0103	Stephanie Miracle TuTh 12:30pm - 1:45pm	Seats (Total: 30) PAC 1610	Lab

DANC149 **Fundamentals of Modern Dance II**

DANC149 Fundamentals of Modern Dance II; (2 credits) Grade Method: REG.

0101	Erin Crawley-Woods MW 11:00am - 12:20pm	Seats (Total: 25) PAC 1610
0102	Shannon Dooling TuTh 2:00pm - 3:15pm	Seats (Total: 25) PAC 1610

DANC179 **Movement Integration**

DANC179 *(PermReq)* **Movement Integration; (2 credits)** Grade Method: REG/P-F/AUD.

0101	Jessica Laurita-Spanglet TuTh 2:00pm - 3:15pm	Seats (Total: 20) PAC 1908	Lab

DANC199 **Practicum in Choreography, Production and Performance I; Dance Workshop I**

DANC199 *(PermReq)* **Practicum in Choreography, Production and Performance I: Dance Workshop I; (1-2 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

DANC200 **Introduction to Dance**

DANC200 Introduction to Dance; (3 credits) Grade Method: REG/P-F/AUD. CORE History or Theory of Arts (HA) Course. CORE Diversity (D) Course.
A study of dance as a form of communication and as an art form; a survey of the theories and styles of dance, and their relationships to other art forms.
Lecture/discussion only - no studio activity.

0101	Shannon Dooling TuTh 11:00am - 12:15pm	Seats (Total: 25) HBK 0108
0201	Erin Crawley-Woods TuTh 12:30pm - 1:45pm	Seats (Total: 10) HBK 0108
0301	Megan Morse Jans TuTh 3:30pm - 4:45pm	Seats (Total: 25) HBK 0108

DANC200S **Introduction to Dance**

DANC200S Introduction to Dance; (3 credits) Grade Method: REG/P-F/AUD. CORE History or Theory of Arts (HA) Course. CORE Diversity (D) Course.
A study of dance as a form of communication and as an art form; a survey of the theories and styles of dance, and their relationships to other art forms. Restricted to College Park Scholars - Arts.

0201	Erin Crawley-Woods TuTh 12:30pm - 1:45pm	Seats (Total: 15) HBK 0108

DANC207 **The Creative Process**

DANC207 *(PermReq)* **The Creative Process; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: DANC109. Restriction: Permission of ARHU-Dance department.
Explorations in movement, music, words, objects, and environments through improvisation and choreographic problem solving.

0101	Patrik Widrig, Sara Pearson MWF 2:00pm - 3:20pm	Seats (Total: 15) PAC 1912

DANC209 **Dance Composition**

DANC209 *(PermReq)* **Dance Composition; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: DANC207 and permission of department.

0101	Alvin Mayes MWF 12:30pm - 1:50pm	Seats (Total: 15) PAC 1912

DANC218 **Foundations of Technique I**

DANC218 *(PermReq)* **Foundations of Technique I; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: permission of department.

0101	Adriane Fang MWF 9:30am - 10:50am	Seats (Total: 17) PAC 1912

DANC219 **Foundations of Technique II**

DANC219 *(PermReq)* **Foundations of Technique II; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: DANC218 and permission of department.

0101	Adriane Fang MWF 9:30am - 10:50am	Seats (Total: 8) PAC 1912
0201	Stephanie Miracle MWF 11:00am - 12:20pm	Seats (Total: 17) PAC 1912

DANC228 **Ballet I**

DANC228 *(PermReq)* **Ballet I; (2 credits)** Grade Method: REG/P-F/AUD. Prerequisite: permission of department.

0101	Julia Smith	Seats (Total: 27)	
	TuTh 9:30am - 10:45am	PAC 1908	Lab

DANC229 **Ballet II**

DANC229 *(PermReq)* **Ballet II; (2 credits)** Grade Method: REG/P-F/AUD. Prerequisite: permission of department.

0101	Julia Smith	Seats (Total: 25)	
	TuTh 12:30pm - 1:45pm	PAC 1908	Lab

DANC299 **Practicum in Choreography, Production and Performance II; Dance Workshop II**

DANC299 *(PermReq)* **Practicum in Choreography, Production and Performance II: Dance Workshop II; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

DANC304 **Teaching Dance**

DANC304 *(PermReq)* **Teaching Dance; (3 credits)** Grade Method: REG/P-F/AUD. *Restriction: Permission of ARHU-Dance department.* Organization and content of the studio dance class. Structuring developmentally appropriate dance experiences for students ages 3-18.

0101	Karen Bradley	Seats (Total: 20)	
	TuTh 9:30am - 10:45am	PAC 1912	

DANC310 **Dance Lighting**

DANC310 Dance Lighting; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: DANC210.* Two lectures and two laboratory periods per week. Theory and practice of stage lighting with specific reference to designing for dance.

0101	Paul Jackson	Seats (Total: 8)	
	MW 12:30pm - 1:45pm	PAC 1610	

DANC318 **Foundations of Technique III**

DANC318 *(PermReq)* **Foundations of Technique III; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: DANC219 and permission of department.

0101	Stephanie Miracle	Seats (Total: 8)	
	MWF 11:00am - 12:20pm	PAC 1912	
0201	Patrik Widrig	Seats (Total: 11)	
	MWF 9:30am - 10:50am	PAC 1610	

DANC319 **Foundations of Technique IV**

DANC319 *(PermReq)* **Foundations of Technique IV; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: DANC318 and permission of department.

0101	Patrik Widrig	Seats (Total: 14)	
	MWF 9:30am - 10:50am	PAC 1610	

DANC328 **Ballet III**

DANC328 *(PermReq)* **Ballet III; (2 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: permission of department.

0101	Julia Smith	Seats (Total: 15)	
	TuTh 11:00am - 12:15pm	PAC 1908	Lab

DANC329 **Ballet IV**

DANC329 *(PermReq)* **Ballet IV; (2 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: permission of department.

0101	Julia Smith	Seats (Total: 15)	
	TuTh 11:00am - 12:15pm	PAC 1908	Lab

DANC371 **Somatics**

DANC371 *(PermReq)* **Somatics; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: DANC179. Restriction: Permission of ARHU-Dance department.* Current ideas and trends in dance technique, with a focus on the incorporation of dance science and somatics into dance training.

0101	Sharon Mansur	Seats (Total: 15)	
	TuTh 11:00am - 12:15pm	PAC 1912	

DANC386 **Experiential Learning**

Contact department for information to register for this course.

DANC398 **Directed Studies in Dance**

DANC398 *(PermReq)* **Directed Studies in Dance; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

DANC399 **Practicum in Choreography, Production and Performance III; Dance Workshop III**

DANC399 *(PermReq)* **Practicum in Choreography, Production and Performance III: Dance Workshop III; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number. Prerequisite: DANC 299.

Contact department for information to register for this course.

DANC448 **Modern Dance V**

DANC448 Modern Dance V; (3 credits) Grade Method: REG/P-F/AUD. Prerequisite: DANC 349 and aududition.

0101	Adriane Fang	Seats (Total: 10)	
	MWF 2:00pm - 3:20pm	PAC 1610	Lab

DANC449 **Modern Dance VI**

DANC449 Modern Dance VI; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: DANC 448 and permission from the department

0101	Adriane Fang	Seats (Total: 5)	
	MWF 2:00pm - 3:20pm	PAC 1610	Lab

DANC488 **Project-Based Learning**

DANC488 *(PermReq)* **Project-Based Learning; (4 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: permission of department.

0101	Alvin Mayes	Seats (Total: 15)
	MW 3:30pm - 6:30pm	PAC 1912

DANC489P **Special Topics in Dance; Performance Coaching for Dance Majors**

DANC489P *(PermReq)* **Special Topics in Dance: Performance Coaching for Dance Majors; (2 credits)** Grade Method: REG/P-F/AUD.

0101	Adriane Fang	Seats (Total: 15)
	TuTh 3:30pm - 4:45pm	PAC 1610

DANC499 **Practicum in Choreography, Production and Performance IV**

DANC499 *(PermReq)* **Practicum in Choreography, Production and Performance IV; (1-6 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: DANC 399.

Contact department for information to register for this course.

DANC600 **Introduction to Graduate Studies in Dance**

DANC600 Introduction to Graduate Studies in Dance; (3 credits) Grade Method: REG/AUD.
Restriction: Permission of ARHU-School of Theatre, Dance & Performance Studies department. Supervised writing of reports and articles on selected dance subjects. Study of library resources and interviewing techniques. Preparation for written documentation of thesis project.

0101	Miriam Phillips W 9:30am - 12:15pm	Seats (Total: 5) PAC 1924	

DANC604 **Dance Pedogogy**

DANC604 Dance Pedogogy; (2 credits) Grade Method: REG/AUD.
Restriction: Must be admitted to MFA in Dance; or permission of ARHU-School of Theatre, Dance & Performance Studies department. Curriculum writing, lesson planning, class structure, assessment/grading, and practice in dance pedagogy. Includes preparation of syllabi and studio teaching practice. This course counts towards teaching ceritification in the State of Maryland.

0101	Karen Bradley M 10:00am - 12:00pm	Seats (Total: 5) PAC 1924	

DANC608 **Choreography I; Choreography I**

DANC608 Choreography I: Choreography I; (3 credits) Grade Method: REG/AUD. Prerequisite: Admission to MFA in Dance or permission of department. Developing and defining individual choreographic voice and vision in a s ared studio setting.

0101	Sara Pearson, Patrik Widrig MW 3:30pm - 4:50pm	Seats (Total: 5) PAC 1610	Lab

DANC648 **Advanced Modern Dance Technique I**

DANC648 Advanced Modern Dance Technique I; (2 credits) Grade Method: REG/AUD.

0101	Adriane Fang MWF 2:00pm - 3:20pm	Seats (Total: 5) PAC 1610	Lab

DANC649 **Advanced Modern Dance Technique II**

DANC649 Advanced Modern Dance Technique II; (2 credits) Grade Method: REG/AUD.

0101	Adriane Fang MWF 2:00pm - 3:20pm	Seats (Total: 5) PAC 1610	Lab

DANC679 **Graduate Dance Performance**

DANC679 Graduate Dance Performance; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

DANC698 **Independent Study in Dance**

DANC698 Independent Study in Dance; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

DANC719 **Choreographic Project**

DANC719 Choreographic Project; (3 credits) Grade Method: REG/AUD. Prerequisite: Admission to MFA in Dance or permission of department. Research-based choreographic projects in preparation for the choreographed thesis project.

0101	Karen Bradley	Seats (Total: 5)
	MW 3:30pm - 4:45pm	PAC 1908

DANC777 **Internship in Dance**

DANC777 *(PermReq)* **Internship in Dance; (6 credits)** Grade Method: S-F. *Restriction: Must be admitted to MFA in Dance; or permission of ARHU-School of Theatre, Dance & Performance Studies department.* Internship in dance advocacy, administration, education, community building, choreography, or performance with an agency off campus and with a national or international profile.

0101	Karen Bradley	Seats (Total: 5)
	Contact instructor or department for details.	

DANC784 **Dance in a Global Context**

DANC784 Dance in a Global Context; (3 credits) Grade Method: REG/AUD. *Restriction: Must be admitted to MFA in Dance; or permission of ARHU-School of Theatre, Dance & Performance Studies department.* Topics that illuminate dance in global context and provides an overview of methods, challenges and perspectives to the study of dance cross-culturally will be considered. Simultaneously, surveys select dance practices spanning many geographical areas, and offers insight into the diverse social, cultural, religious, and political environments from which dance extends.

0101	Miriam Phillips	Seats (Total: 5)
	TuTh 9:30am - 10:45am	PAC 1924

DANC788 **Master's Tutorial for Choreography; Graduate Tutorial**

DANC788 Master's Tutorial for Choreography: Graduate Tutorial; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

DANC789 **Directed Study in Dance Theory**

DANC789 Directed Study in Dance Theory; (2-6 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

DANC799 **Master's Thesis Project**

DANC799 Master's Thesis Project; (1-6 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EALL East Asian Languages and Literatures — Fall 2012

EALL300 **The Languages of East Asia**

EALL300 The Languages of East Asia; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
A survey of Chinese, Japanese, and Korean, and the languages of other East Asian nationalities. Provides a basic understanding of the structures of these languages. Topics covered include the characterizing features; the relationships of the languages to each other; the geographical, social, and historical settings. No knowledge of Asian languages is required. Taught in English.

0101	Samuel Ramsey MW 3:30pm - 4:45pm	Seats (Total: 30) JMZ 2206	

ECON Economics Fall 2012

ECON155 **Economics and the College Affordability Crisis**

ECON155 Economics and the College Affordability Crisis; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. GenEd: Distributive Studies - History and Social Sciences; Signature Courses - I-Series. *Additional information: No background in economics is required, although this course could be a nice complement for ECON200 and ECON201.* Why have tuition and fees increased substantially over the past 30 years at almost all institutions of higher education in the US? How can quality and productivity be measured in schools? Why do most students pay considerably less than the actual cost of service provision? What is society's interest in devoting considerable resources to education beyond the high school level? How do existing and proposed governmental policies impact both the number of students pursuing a college education and the cost of this education?

0101	Cindy Clement MW 1:00pm - 1:50pm F 9:00am - 9:50am	Seats (Total: 20) SQH 1120 TYD 1101	 Discussion
0102	Cindy Clement MW 1:00pm - 1:50pm F 10:00am - 10:50am	Seats (Total: 20) SQH 1120 KEY 0102	 Discussion
0103	Cindy Clement MW 1:00pm - 1:50pm F 11:00am - 11:50am	Seats (Total: 20) SQH 1120 MMH 1304	 Discussion

0104	Cindy Clement MW 1:00pm - 1:50pm F 12:00pm - 12:50pm	Seats (Total: 20) SQH 1120 TYD 1108	Discussion
0105	Cindy Clement MW 1:00pm - 1:50pm F 1:00pm - 1:50pm	Seats (Total: 20) SQH 1120 ARM 0110	Discussion

ECON200 **Principles of Micro-Economics**

ECON200 Principles of Micro-Economics; (4 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. GenEd: Distributive Studies - History and Social Sciences.
Prerequisite: MATH110; or must have math eligibility of MATH111 or higher. Additional information: It is recommended that students complete ECON200 before taking ECON201. Introduces economic models of the behavior of individual consumers and business firms, problems of international trade, the distribution of income, policies for eliminating poverty and discrimination, the problems of environmental pollution, and the impact of different market structures upon economic activity. Click here for more course information.

0101	Judith Hellerstein TuTh 11:00am - 12:15pm F 9:00am - 9:50am	Seats (Total: 31) TYD 0130 MMH 3418	Discussion
0102	Judith Hellerstein TuTh 11:00am - 12:15pm F 9:00am - 9:50am	Seats (Total: 31) TYD 0130 LEF 1220	Discussion
0103	Judith Hellerstein TuTh 11:00am - 12:15pm F 12:00pm - 12:50pm	Seats (Total: 31) TYD 0130 TYD 0101	Discussion
0104	Judith Hellerstein TuTh 11:00am - 12:15pm W 1:00pm - 1:50pm	Seats (Total: 31) TYD 0130 TYD 1114	Discussion
0105	Judith Hellerstein TuTh 11:00am - 12:15pm F 11:00am - 11:50am	Seats (Total: 31) TYD 0130 WDS 1130	Discussion

0106	Judith Hellerstein TuTh 11:00am - 12:15pm F 11:00am - 11:50am	Seats (Total: 31) TYD 0130 SKN 0104	Discussion
0107	Judith Hellerstein TuTh 11:00am - 12:15pm F 12:00pm - 12:50pm	Seats (Total: 31) TYD 0130 MMH 3418	Discussion
0108	Judith Hellerstein TuTh 11:00am - 12:15pm F 12:00pm - 12:50pm	Seats (Total: 31) TYD 0130 SQH 1119	Discussion
0109	Judith Hellerstein TuTh 11:00am - 12:15pm F 1:00pm - 1:50pm	Seats (Total: 31) TYD 0130 TYD 1114	Discussion
0110	Judith Hellerstein TuTh 11:00am - 12:15pm F 1:00pm - 1:50pm	Seats (Total: 31) TYD 0130 ARC 1101	Discussion
0111	Judith Hellerstein TuTh 11:00am - 12:15pm F 2:00pm - 2:50pm	Seats (Total: 30) TYD 0130 ASY 3203	Discussion
0112	Judith Hellerstein TuTh 11:00am - 12:15pm F 2:00pm - 2:50pm	Seats (Total: 30) TYD 0130 TYD 0101	Discussion
0113	Judith Hellerstein TuTh 11:00am - 12:15pm W 2:00pm - 2:50pm	Seats (Total: 30) TYD 0130 TYD 1114	Discussion
0114	Judith Hellerstein TuTh 11:00am - 12:15pm W 9:00am - 9:50am	Seats (Total: 30) TYD 0130 TYD 1108	Discussion
2301	Peter Coughlin TuTh 9:30am - 10:45am W 2:00pm - 2:50pm	Seats (Total: 31) TYD 0130 SQH 1105	Discussion

2302	Peter Coughlin TuTh 9:30am - 10:45am F 1:00pm - 1:50pm	Seats (Total: 31) TYD 0130 PLS 1117	Discussion
2303	Peter Coughlin TuTh 9:30am - 10:45am M 2:00pm - 2:50pm	Seats (Total: 31) TYD 0130 SQH 1105	Discussion
2304	Peter Coughlin TuTh 9:30am - 10:45am W 1:00pm - 1:50pm	Seats (Total: 31) TYD 0130 TYD 1108	Discussion
2305	Peter Coughlin TuTh 9:30am - 10:45am F 2:00pm - 2:50pm	Seats (Total: 31) TYD 0130 TYD 1114	Discussion
2306	Peter Coughlin TuTh 9:30am - 10:45am M 3:00pm - 3:50pm	Seats (Total: 31) TYD 0130 SQH 2122	Discussion
2307	Peter Coughlin TuTh 9:30am - 10:45am W 3:00pm - 3:50pm	Seats (Total: 31) TYD 0130 SQH 1105	Discussion
2308	Peter Coughlin TuTh 9:30am - 10:45am F 3:00pm - 3:50pm	Seats (Total: 31) TYD 0130 TYD 0111	Discussion
2309	Peter Coughlin TuTh 9:30am - 10:45am M 8:00am - 8:50am	Seats (Total: 31) TYD 0130 TYD 1114	Discussion
2310	Peter Coughlin TuTh 9:30am - 10:45am W 2:00pm - 2:50pm	Seats (Total: 31) TYD 0130 JMZ 0205	Discussion
2311	Peter Coughlin TuTh 9:30am - 10:45am F 11:00am - 11:50am	Seats (Total: 30) TYD 0130 TYD 1114	Discussion

2312	Peter Coughlin TuTh 9:30am - 10:45am M 1:00pm - 1:50pm	Seats (Total: 30) TYD 0130 TYD 1118	Discussion
2313	Peter Coughlin TuTh 9:30am - 10:45am F 1:00pm - 1:50pm	Seats (Total: 30) TYD 0130 TYD 2109	Discussion
2314	Peter Coughlin TuTh 9:30am - 10:45am F 12:00pm - 12:50pm	Seats (Total: 30) TYD 0130 TYD 1118	Discussion
BL01	Cindy Clement TuTh 2:00pm - 3:15pm F 10:00am - 10:50am	Seats (Total: 450) TYD 0130 TYD 0130	Discussion
FC01	John Straub MW 7:30pm - 8:45pm F 10:00am - 10:50am *Restricted to students in Freshmen Connection.*	Seats (Total: 24) SKN 0200 TYD 1108	Discussion
FC02	John Straub MW 7:30pm - 8:45pm F 10:00am - 10:50am *Restricted to students in Freshmen Connection.*	Seats (Total: 24) SKN 0200 KEY 0123	Discussion
FC03	John Straub MW 7:30pm - 8:45pm F 11:00am - 11:50am *Restricted to students in Freshmen Connection.*	Seats (Total: 24) SKN 0200 TYD 2106	Discussion
FC04	John Straub MW 7:30pm - 8:45pm F 11:00am - 11:50am *Restricted to students in Freshmen Connection.*	Seats (Total: 24) SKN 0200 MMH 3418	Discussion
FC05	John Straub MW 7:30pm - 8:45pm F 1:00pm - 1:50pm *Restricted to students in Freshmen Connection.*	Seats (Total: 24) SKN 0200 HZF 0101	Discussion

FC06	John Straub MW 7:30pm - 8:45pm F 1:00pm - 1:50pm *Restricted to students in Freshmen Connection.*	Seats (Total: 24) SKN 0200 KEY 0121	Discussion
FC07	John Straub MW 7:30pm - 8:45pm F 9:00am - 9:50am *Restricted to students in Freshman Connection.*	Seats (Total: 24) SKN 0200 KEY 0120	Discussion
FC08	John Straub MW 7:30pm - 8:45pm F 9:00am - 9:50am *Restricted to students in Freshman Connection.*	Seats (Total: 24) SKN 0200 KEY 0123	Discussion

ECON201 **Principles of Macro-Economics**

ECON201 Principles of Macro-Economics; (4 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. GenEd: Distributive Studies - History and Social Sciences.
Prerequisite: MATH110; or must have math eligibility of MATH111 or higher. Recommended: ECON200. Credit only granted for: ECON201 or ECON205. An introduction to the problems of unemployment, inflation, and economic growth. Emphasis on roles of monetary and fiscal policy in the conduct of macroeconomic policy.

0101	John Neri MW 2:00pm - 3:15pm F 1:00pm - 1:50pm	Seats (Total: 440) TYD 0130 TYD 0130	Discussion
0201	Naveen Sarna TuTh 2:00pm - 3:15pm F 10:00am - 10:50am	Seats (Total: 250) SKN 0200 SKN 0200	Discussion

ECON258C **Special Topics in Study Abroad II; Chinese Economy**
Contact department for information to register for this course.

ECON258G **Special Topics in Study Abroad II; Global Economy- Social and Economic Aspects**
Contact department for information to register for this course.

ECON300 **Methods and Tools for Economic Analysis**

ECON300 *(PermReq)* **Methods and Tools for Economic Analysis; (3 credits)**
Grade Method: REG/P-F/AUD.
Prerequisite: Minimum grade of C- in ECON201 and ECON200; and 1 course with a minimum grade of C- from (MATH220, MATH140). Restriction: Must be in a major within BSOS-Economics department; and permission of BSOS-Economics department; and must not have completed MATH240 or MATH241. Covers several mathematics techniques and demonstrates their application to a wide variety of models and problems in both microeconomic and macroeconomic analysis. Reviews concepts from algebra and elementary calculus and introduces components of multivariable calculus, linear algebra and differential equations.

0101	Erkut Ozbay TuTh 2:00pm - 2:50pm F 9:00am - 9:50am	Seats (Total: 31) ASY 2203 TYD 0111	Discussion
0102	Erkut Ozbay TuTh 2:00pm - 2:50pm F 12:00pm - 12:50pm	Seats (Total: 31) ASY 2203 TYD 0102	Discussion
0103	Erkut Ozbay TuTh 2:00pm - 2:50pm F 10:00am - 10:50am	Seats (Total: 31) ASY 2203 TYD 1114	Discussion
0104	Erkut Ozbay TuTh 2:00pm - 2:50pm F 9:00am - 9:50am	Seats (Total: 31) ASY 2203 TYD 1108	Discussion
0105	Erkut Ozbay TuTh 2:00pm - 2:50pm F 10:00am - 10:50am	Seats (Total: 31) ASY 2203 TYD 2102	Discussion
0106	Erkut Ozbay TuTh 2:00pm - 2:50pm F 12:00pm - 12:50pm	Seats (Total: 31) ASY 2203 TYD 2106	Discussion
0201	Burak Turkgulu MW 2:00pm - 3:15pm	Seats (Total: 40) TYD 2106	

ECON305 **Intermediate Macroeconomic Theory and Policy**

ECON305 Intermediate Macroeconomic Theory and Policy; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ECON201 and ECON200; and (MATH220 or MATH140). Credit only granted for: ECON305 or ECON325. Analysis of the determination of national income, employment, and price levels. Discussion of consumption, investment, inflation, and government fiscal and monetary policy.

0101	John Neri MWF 12:00pm - 12:50pm	Seats (Total: 184) ASY 2203

ECON306 **Intermediate Microeconomic Theory**

ECON306 Intermediate Microeconomic Theory; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ECON200 or AREC250; and ECON201; and (MATH220 or MATH140). Credit only granted for: ECON306 or ECON326. Analysis of the theories of consumer behavior and of the firm, market systems, distribution theory and the role of externalities.

0101	Satyendra Verma TuTh 3:30pm - 4:45pm	Seats (Total: 260) SKN 0200

ECON311 **American Economic History Before the Civil War**

ECON311 American Economic History Before the Civil War; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ECON201 and ECON200. Restriction: Must be in a major within BSOS-Economics department. Economic concepts are used to analyze various aspects of the founding and early history of the U.S., including the British settlement of the North American colonies, the economics of the American Revolutionary war, the writing of the Constitution, the development of financial markets, policies on public lands and the spread of western agriculture, slavery, banking, and early industrialization.

0101	John Wallis TuTh 11:00am - 12:15pm	Seats (Total: 200) ARM 0126
0102	Alvaro La Parra Perez TuTh 2:00pm - 3:15pm	Seats (Total: 40) TYD 1101

ECON314 **Economic History, Development and Policy**
Contact department for information to register for this course.

ECON315 **Economic Development of Underdeveloped Areas**

ECON315 Economic Development of Underdeveloped Areas; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ECON201 and ECON200. Credit only granted for: ECON315 or ECON416. Analysis of the economic and social characteristics of underdeveloped areas. Recent theories of economic development, obstacles to development, policies and planning for development.

SG91	Stefania Scandizzo MW 9:30am - 10:45am	Seats (Total: 40) BLD3 2230
	Restricted to BMGT-Shady Grove Seniors. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.	

ECON317 **Global Economic Policies**

ECON317 Global Economic Policies; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ECON201 and ECON200. Restriction: Must be in a major within BSOS-Economics department; or permission of BSOS-Economics department. Credit only granted for: ECON398C or ECON317. Formerly: ECON398C. Analysis of policy options and debates on fostering economic growth and development in a global economy where national boundaries are no longer relevant. Topics covered will include real loanable funds markets in both local and international contexts during normal conditions and during financial crises, the design of trade and industrial policies, and the role of the World Bank, IMF, WTO, and other international agencies as well as regional and bilateral trade agreements. Emerging economies will be emphasized.

0101	Naveen Sarna TuTh 3:30pm - 4:45pm	Seats (Total: 40) TYD 0111
0201	Naveen Sarna TuTh 5:00pm - 6:15pm	Seats (Total: 40) TYD 0111

ECON321 **Economic Statistics**

ECON321 Economic Statistics; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Minimum grade of C- in ECON201 and ECON200; and 1 course with a minimum grade of C- from (MATH220, MATH140). Restriction: Must be in a major within BSOS-Economics department. And must not have completed BMGT231 or BMGT230; or permission of BSOS-Economics department. Credit only granted for: BIOM301, BMGT230, ECON321, EDMS451, GEOG305, GVPT422, PSYC200 or SOCY201. Introduction to the use of statistics in economics. Topics include: Probability, random variables and their distributions, sampling theory, estimation, hypothesis testing, analysis of variance, regression analysis and correlation.

0101	Kevin Dayaratna TuTh 12:30pm - 1:45pm	Seats (Total: 120) BPS 1250	
0201	Jason Hulbert MW 3:30pm - 4:45pm	Seats (Total: 120) ASY 2203	
0301	Sushant Acharya MW 9:00am - 10:15am	Seats (Total: 40) TYD 0101	

ECON325 **Intermediate Macroeconomic Analysis**

ECON325 Intermediate Macroeconomic Analysis; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Minimum grade of C- in ECON300. Restriction: Must be in a major within BSOS-Economics department. Credit only granted for: ECON305 (not accepted for major requirements) or ECON325. Analysis of macroeconomic behavior and policy with emphasis on theoretical rigor. Topics include the determinants of economic growth, unemployment, inflation, and international economic flows.

0101	Mihaela Pintea MW 2:00pm - 2:50pm F 9:00am - 9:50am	Seats (Total: 30) SHM 2102 TYD 1118	Discussion
0102	Mihaela Pintea MW 2:00pm - 2:50pm F 12:00pm - 12:50pm	Seats (Total: 30) SHM 2102 TLF 1101	Discussion
0103	Mihaela Pintea MW 2:00pm - 2:50pm F 10:00am - 10:50am	Seats (Total: 30) SHM 2102 TYD 1101	Discussion

0104	Mihaela Pintea MW 2:00pm - 2:50pm F 11:00am - 11:50am	Seats (Total: 30) SHM 2102 TYD 1132	Discussion
0105	Mihaela Pintea MW 2:00pm - 2:50pm F 8:00am - 8:50am	Seats (Total: 30) SHM 2102 TYD 0101	Discussion
0106	Mihaela Pintea MW 2:00pm - 2:50pm F 1:00pm - 1:50pm	Seats (Total: 30) SHM 2102 SQH 2117	Discussion
0201	Maksim Belenkiy TuTh 6:30pm - 7:45pm	Seats (Total: 40) TYD 1102	

ECON326 **Intermediate Microeconomic Analysis**

ECON326 Intermediate Microeconomic Analysis; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Minimum grade of C- in ECON300. Restriction: Must be in a major within BSOS-Economics department. Credit only granted for: ECON306 (not accepted for major requirements) or ECON326. Analysis of economic decision-making by individual buyers and sellers, and resulting market outcomes, with emphasis on theoretical rigor. The efficient properties of perfect competition are examined, followed by consideration of market power, externalities, and asymmetric information.

0101	Ethan Kaplan MW 11:00am - 11:50am F 9:00am - 9:50am	Seats (Total: 30) TYD 0130 TLF 1103	Discussion
0102	Ethan Kaplan MW 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 30) TYD 0130 TYD 2106	Discussion
0103	Ethan Kaplan MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 30) TYD 0130 TYD 1118	Discussion
0104	Ethan Kaplan MW 11:00am - 11:50am F 12:00pm - 12:50pm	Seats (Total: 30) TYD 0130 SQH 1121	Discussion

0105	Ethan Kaplan MW 11:00am - 11:50am F 9:00am - 9:50am	Seats (Total: 30) TYD 0130 SYM 0215	Discussion
0106	Ethan Kaplan MW 11:00am - 11:50am W 12:00pm - 12:50pm	Seats (Total: 30) TYD 0130 TYD 1101	Discussion
0201	Ginger Jin TuTh 10:00am - 10:50am F 11:00am - 11:50am	Seats (Total: 30) TYD 0117 TYD 2102	Discussion
0202	Ginger Jin TuTh 10:00am - 10:50am F 12:00pm - 12:50pm	Seats (Total: 30) TYD 0117 SQH 1117	Discussion
0203	Ginger Jin TuTh 10:00am - 10:50am F 1:00pm - 1:50pm	Seats (Total: 30) TYD 0117 SQH 1101	Discussion

ECON330 **Money and Banking**

ECON330 Money and Banking; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: ECON201 and ECON200.* The structure of financial institutions and their role in the provision of money and near money. Analysis of the Federal Reserve System, the techniques of central banks, and the control of supply of financial assets in stabilization policy. Relationship of money and credit to economic activity and the price level.

0101	John Neri MW 3:30pm - 4:45pm	Seats (Total: 300) SKN 0200	
SG91	John Shea F 9:40am - 12:20pm *Restricted to BMGT-Shady Grove Juniors. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.*	Seats (Total: 118) BLD3 3241	

ECON340 **International Economics**

ECON340 International Economics; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: ECON201 and ECON200. Credit only granted for: ECON340 or ECON441.* Covers economic models of international transactions, exchange rates, and balance of payments. Analysis of policies of protection, devaluation, and exchange rate stabilization and their consequences.

SG91	Stefania Scandizzo MW 11:00am - 12:15pm	Seats (Total: 60) BLD3 2230
	Restricted to BMGT-Shady Grove Seniors. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.	
SG92	Stefania Scandizzo MW 12:30pm - 1:45pm	Seats (Total: 60) BLD3 2230
	Restricted to BMGT-Shady Grove Seniors. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.	

ECON358G **Special Topics in Study Abroad III; International Economic History since 1870**
Contact department for information to register for this course.

ECON358T **Special Topics in Study Abroad III; Behavior and Incentives in Economics: The Case of Soccer**
Contact department for information to register for this course.

ECON358Z **Special Topics in Study Abroad III; European Integration I**
Contact department for information to register for this course.

ECON375 **Economics of Poverty and Discrimination**

ECON375 Economics of Poverty and Discrimination; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Prerequisite: ECON201 and ECON200; or ECON205. The causes of the persistence of low income groups; the relationship of poverty to technological change, to economic growth, and to education and training; economic results of discrimination; proposed remedies for poverty and discrimination.

0101	Michele Ver Ploeg MW 8:00am - 9:15am	Seats (Total: 40) TYD 1102

ECON386 **Experiential Learning**

ECON386 *(PermReq)* **Experiential Learning; (3 credits)** Grade Method: S-F. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: ECON201 and ECON200. Restriction: Permission of BSOS-Economics department; and must be in a major within BSOS-Economics department; and minimum cumulative GPA of 2.75; and Junior standing or higher. See Department Advising Office for course eligibility, course requirements, and application information.

Contact department for information to register for this course.

ECON396 **Independent Honors Study**

ECON396 *(PermReq)* **Independent Honors Study; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ECON422. Restriction: Permission of BSOS-Economics department. Normally taken in senior year. Course will explore selected topics in economic theory and its application in depth. Analysis of methodologies in economic research and the development of student skills in research methods. Students will prepare workshop papers.

0101	Carlos Vegh Tu 2:00pm - 4:45pm	Seats (Total: 15) SQH 2117

ECON397 **Honors Thesis**
Contact department for information to register for this course.

ECON398D **Topics in Economics; Education Economics**

ECON398D Topics in Economics: Education Economics; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: ECON321 and ECON326. For ECON majors only. See Department Advising Office for course description.

0101	Jeffrey DeSimone MW 11:00am - 12:15pm	Seats (Total: 25) TYD 0111

ECON398E **Topics in Economics; Environmental Economics**
Contact department for information to register for this course.

ECON398G **Topics in Economics; The Israeli Economy**

ECON398G Topics in Economics: The Israeli Economy; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as ISRL349E. Exploration of the main economic processes which shape the Israeli economy. The course examines differences between the Israeli and US economies, particularly the high-tech sector and its huge expansion in recent decades, as well as the Israeli economy's history and evolution.

0101	Yaniv Reingewertz	Seats (Total: 40)
	TuTh 12:30pm - 1:45pm	SPH 0308

ECON398H **Topics in Economics; British Economy and Financial System**
Contact department for information to register for this course.

ECON398L **Topics in Economics; The British Economy and Financial Systems**
Contact department for information to register for this course.

ECON399 **Individual Readings and Research For Undergraduates**

ECON399 *(PermReq)* **Individual Readings and Research For Undergraduates; (3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Permission of instructor must be arranged in advance. Open only to students who have previously earned 6 or more credits in upper division economics courses.

Contact department for information to register for this course.

ECON414 **Game Theory**

ECON414 Game Theory; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Minimum grade of C- in ECON326. Or ECON306; and permission of BSOS-Economics department. Restriction: Must be in Economics program. Credit only granted for: CMSC474, ECON414, or GVPT399A. Studies the competitive and cooperative behavior that results when several parties with conflicting interests must work together. Learn how to use game theory to analyze situations of potential conflict. Applications are drawn from economics, business, and political science.

0101	Yiyan Liu	Seats (Total: 40)
	MW 9:30am - 10:45am	TYD 2110

0102	Eliane Catilina TuTh 12:30pm - 1:45pm	Seats (Total: 40) TYD 1102

ECON416 **Theory of Economic Development**

ECON416 Theory of Economic Development; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Minimum grade of C- in ECON321. And minimum grade of C- in ECON325; or (ECON305; and permission of BSOS-Economics department). Restriction: Must be in Economics program. Credit only granted for: ECON315 or ECON416. Economic theory of the developing nations; role of innovation, capital formation, resources, institutions, trade and exchange rates, and governmental policies.

0101	Brian Quistorff TuTh 12:30pm - 1:45pm	Seats (Total: 40) TYD 0101

ECON422 **Econometrics I**

ECON422 Econometrics I; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: 1 course with a minimum grade of C- from (STAT400, ECON321). Restriction: Must be in Economics program. Emphasizes the interaction between economic problems and the assumptions employed in statistical theory. Formulation, estimation, and testing of economic models, including single variable and multiple variable regression techniques, theory of identification, and issues relating to inference.

0101	Razvan Vlaicu WF 11:00am - 12:15pm	Seats (Total: 40) TYD 2110
0102	Sergio Urzua MW 11:00am - 12:15pm	Seats (Total: 40) TYD 1132
0103	Haishan Yuan TuTh 9:30am - 10:45am	Seats (Total: 40) TYD 2111

ECON423 **Econometrics II**

ECON423 *(PermReq)* **Econometrics II; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: ECON422. Restriction: Permission of BSOS-Economics department.* Interaction between economic problems and specification and estimation of econometric models. Topics include issues of autocorrelation, heteroscedasticity, functional form, simultaneous equation models, qualitative choice models, and other computational methods.

0101	Pablo D'Erasmo MW 2:00pm - 3:15pm	Seats (Total: 40) TYD 2108

ECON424 **Computer Methods in Economics**

ECON424 Computer Methods in Economics; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Minimum grade of C- in ECON321, ECON325, and ECON326. Or minimum grade of C- in ECON321, ECON305, and ECON306; and permission of BSOS-Economics department. Restriction: Must be in a major within BSOS-Economics department. Database development from Internet and other sources, research methods, and statistical analysis in economics using EXCEL and SAS.

0101	John Straub MW 5:00pm - 6:15pm	Seats (Total: 20) LEF LAB 1
0102	John Straub MW 3:30pm - 4:45pm	Seats (Total: 20) LEF LAB 5
0103	Yichen Zhou TuTh 9:30am - 10:45am	Seats (Total: 36) LEF LAB 3

ECON435 **Financial Markets and the Macroeconomy**

ECON435 Financial Markets and the Macroeconomy; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Minimum grade of C- in ECON326. Or ECON306; and permission of BSOS-Economics department. Restriction: Must be in Economics program; and must not have completed BMGT343. Credit only granted for: BMGT343 or ECON435. Formerly: ECON398F. Additional information: Finance majors will not receive credit for ECON435. The different types of financial assets that exist, the markets that they trade in, and the determination of their prices and rates of return are examined. Specific topics that will be covered include the Markowitz portfolio selection model, the capital asset pricing model, the arbitrage pricing theory, the efficient markets hypothesis, the term structure of interest rates, and options. There will be almost no emphasis on issues in corporate finance.

0101	Alvaro Pedraza TuTh 11:00am - 12:15pm	Seats (Total: 40) TYD 2108
0201	Gabriela Mundaca Elias MW 9:30am - 10:45am	Seats (Total: 40) TYD 1101

ECON442 **Globalization and Capital Markets**

ECON442 Globalization and Capital Markets; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Minimum grade of C- in ECON326 and ECON325. Or ECON305 and ECON306; and permission of BSOS-Economics department. Restriction: Must be in Economics program. Credit only granted for: ECON398M or ECON442. Formerly: ECON398M. Uses models of open-economy macroeconomics to explain the causes and consequences of international capital flows. Analysis is made of private consumption, investment, the government sector, current accounts, the labor market, and the money and foreign exchange markets in small open economies. This framework is then used to study examples of how speculative attacks on currencies, sudden reversals of capital inflows, and the effects of the lack of credibility of economic policy affect economic development.

0101	Ling Zhu MW 11:00am - 12:15pm	Seats (Total: 40) TYD 1114
0201	Gabriela Mundaca Elias MW 12:30pm - 1:45pm	Seats (Total: 40) TYD 0102

ECON451 **Public Choice**

ECON451 Public Choice; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: Minimum grade of C- in ECON326. Or ECON306; and permission of BSOS-Economics department. Restriction: Must be in Economics program.* Analysis of collective decision making, economic models of government, program budgeting, and policy implementation; emphasis on models of public choice and institutions which affect decision making.

0101	Peter Coughlin TuTh 12:30pm - 1:45pm	Seats (Total: 40) TYD 1114

ECON454 **Public Finance and Public Policy**

ECON454 Public Finance and Public Policy; (3 credits) Grade Method: REG/AUD. *Prerequisite: Minimum grade of C- in ECON326. Or ECON306; and permission of BSOS-Economics department. Restriction: Must be in Economics program. Credit only granted for: ECON350 or ECON454.* Study of welfare economics and the theory of public goods, taxation, public expenditures, benefit-cost analysis, and state and local finance. Applications of theory to current policy issues.

0101	Charles Baschnagel TuTh 9:30am - 10:45am	Seats (Total: 40) TYD 1118
0102	Charles Hulten MW 2:00pm - 3:15pm	Seats (Total: 40) TYD 1132
0103	Melissa Kearney TuTh 2:00pm - 3:15pm	Seats (Total: 40) TYD 1132

ECON456 **Law and Economics**

ECON456 Law and Economics; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: Minimum grade of C- in ECON326. Or ECON306; and permission of BSOS-Economics department. Restriction: Must be in Economics program.* Relationship of the exchange process to the system of institutions and rules that society develops to carry out economic transactions. Topics covered include: Property rights; torts, negligence, and liability; contracts and exchanges; criminal control and enforcement; equity issues in the rule and market environment.

0101	Jason Hulbert MW 12:30pm - 1:45pm	Seats (Total: 40) TYD 1102
0102	Jason Hulbert MW 9:30am - 10:45am	Seats (Total: 40) TYD 0102

ECON458I **Special Topics in Study Abroad IV; European Integration and Economic and International Law**
Contact department for information to register for this course.

ECON458P **Special Topics in Study Abroad IV; Pricing Policy**
Contact department for information to register for this course.

ECON458Q **Special Topics in Study Abroad IV; State and Economy**
Contact department for information to register for this course.

ECON460 **Industrial Organization**

ECON460 Industrial Organization; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: Minimum grade of C- in ECON326. Or ECON306; and permission of BSOS-Economics department. Restriction: Must be in Economics program.* Changing structure of the American economy; price policies in different industrial classifications of monopoly and competition in relation to problems of public policy.

0101	Eliane Catilina TuTh 9:30am - 10:45am	Seats (Total: 40) TYD 1101
0102	Eliane Catilina TuTh 2:00pm - 3:15pm	Seats (Total: 40) TYD 1114

ECON461 **Economics of Regulation and Anti-trust**

ECON461 Economics of Regulation and Anti-trust; (3 credits) Grade Method: REG.
Prerequisite: Minimum grade of C- in ECON326. Or ECON306; and permission of BSOS-Economics department. Restriction: Must be in Economics program. Credit only granted for: ECON398R or ECON461. Formerly: ECON398R. Considers government intervention in economic activity of three types: antitrust policy, regulation of natural monopolies, and health safety regulation. Covers theoretical models, real-world policy applications, and empirical studies relevant to the impact of regulation.

0101	Peyton Ferrier M 6:00pm - 8:30pm	Seats (Total: 40) TYD 1132

ECON465 **Health Care Economics**

ECON465 Health Care Economics; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: Minimum grade of C- in ECON326. Or ECON306; and permission of BSOS-Economics department. Restriction: Must be in Economics program.* Analysis of health care, the organization of its delivery and financing. Access to care; the role of insurance; regulation of hospitals, physicians, and the drug industry; role of technology; and limits on health care spending.

0101	Jeffrey DeSimone TuTh 11:00am - 12:15pm	Seats (Total: 40) SQH 2117
0102	Jeffrey DeSimone TuTh 12:30pm - 1:45pm	Seats (Total: 40) SYM 0200

ECON470 **Theory of Labor Economics**

ECON470 Theory of Labor Economics; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: Minimum grade of C- in ECON326. Or ECON306; and permission of BSOS-Economics department. Restriction: Must be in Economics program. Credit only granted for: ECON370 or ECON470.* An analytical treatment of theories of labor markets. Marginal productivity theory of labor demand; allocation of time in household labor supply models; theory of human capital; earnings differentials; market structure and the efficiency of labor markets; the role of trade unions; discrimination; and unemployment.

0101	John Ham TuTh 11:00am - 12:15pm	Seats (Total: 40) TYD 0101

ECON506 **Microeconomic Analysis**

ECON506 Microeconomic Analysis; (3 credits) Grade Method: REG/AUD.
Restriction: Must be in M.Prof.Studies: Applied Economics program; or permission of BSOS-Economics department. Microeconomic analysis applied to public policy problems with an emphasis on practical examples and how they illustrate microeconomic theories. Policy issues such as pollution, welfare and income distribution, market design, industry regulation, price controls, tax policy and health insurance are practical examples used to illustrate the abstract principles of microeconomics.

PR01	Andrew Stocking	Seats (Total: 30)
	Meets August 27, 2012 - November 23, 2012	
	M 6:30pm - 8:45pm Class time/details on ELMs	Location: TBA ONLINE
	Restricted to students in the Department of Economics' Professional Program. Meets in the Ronald Reagan Building, Washington, DC.	

ECON521 **Empirical Analysis I: Foundations of Empirical Research**

ECON521 Empirical Analysis I: Foundations of Empirical Research; (3 credits) Grade Method: REG/AUD.
Fundamental aspects of data management and interpretation emphasizing sampling, descriptive statistics, index numbers and construction of aggregated variables. Students will learn probability theory, confidence intervals, hypothesis testing and regression analysis using the EXCEL spreadsheet program and STATA statistical software.

PR01	Ephraim Leibtag	Seats (Total: 30)
	Meets August 27, 2012 - November 23, 2012	
	Th 6:30pm - 8:45pm Class time/details on ELMs	Location: TBA ONLINE
	Restricted to students in the Department of Economics' Professional Program. Meets in the Ronald Reagan Building, Washington, DC.	

ECON601 **Macroeconomic Analysis I**

ECON601 *(PermReq)* **Macroeconomic Analysis I; (3 credits)** Grade Method: REG/AUD.
Restriction: Permission of BSOS-Economics department. Introductory technical treatment of standard Keynesian, classical and new classical macroeconomic models. Expectations formation and microeconomic foundations of consumption, investment, money demand, and labor market behavior.

0101	John Shea, Allan Drazen MW 9:30am - 10:45am M 5:00pm - 6:45pm	Seats (Total: 35) TYD 1114 TYD 1114	 Discussion

ECON603 **Microeconomic Analysis I**

ECON603 *(PermReq)* **Microeconomic Analysis I; (3 credits)** Grade Method: REG/AUD.
Restriction: Permission of BSOS-Economics department. A detailed treatment of the theory of the consumer and of the firm, particularly emphasizing the duality approach. Topics include the household production model, imperfect competition, monopolistic and oligopolistic markets.

0101	Emel Filiz Ozbay, Lawrence Ausubel TuTh 2:00pm - 3:15pm Th 6:30pm - 8:00pm	Seats (Total: 35) TYD 2111 TYD 2108	 Discussion
0201	Emel Filiz Ozbay, Lawrence Ausubel TuTh 11:00am - 12:15pm W 3:30pm - 5:15pm	Seats (Total: 35) TYD 1114 TYD 0101	 Discussion

ECON623 **Econometrics I**

ECON623 *(PermReq)* **Econometrics I; (3 credits)** Grade Method: REG/AUD.
Prerequisite: Must have advanced knowledge of probability, statistics, and linear algebra. Restriction: Permission of BSOS-Economics department. Specification, estimation, hypothesis testing and prediction in the classical and generalized linear regression model. Topics include: ordinary least squares, generalized least squares, instrumental variableestimation, quantile regression, finite and large sample analysis and general testing principles including misspecification tests. The course will also provide instructions on the use of a major statistical packagesuch as Stata or TSP.

0101	John Chao	Seats (Total: 35)	
	TuTh 12:30pm - 1:45pm	TYD 2110	
	Th 4:30pm - 6:15pm	TYD 2102	Discussion

ECON626 **Empirical Microeconomics**

ECON626 *(PermReq)* **Empirical Microeconomics; (3 credits)** Grade Method: REG/AUD.
Prerequisite: ECON624, ECON721, or ECON622. Restriction: Must be in Economics (Doctoral) program. To provide students with the opportunity to use empirical techniques that are particularly valuable in the analysis of microeconomic data. Topics include panel data, nonlinear optimization, limited dependent variables, truncated, censored, selected samples, the analysis of natural experiments, and quantile regressions. This course will emphasize hands-on practical experience.

0101	Sebastian Galiani	Seats (Total: 30)	
	MW 11:00am - 12:15pm	TYD 2102	
	F 4:00pm - 5:45pm	TYD 2102	Discussion

ECON630 **Computational Methods in Macroeconomics**

ECON630 *(PermReq)* **Computational Methods in Macroeconomics; (3 credits)** Grade Method: REG/AUD.
Prerequisite: ECON602 and ECON601. Restriction: Must be in one of the following programs (Economics (Master's); Economics (Doctoral)) ; or permission of BSOS-Economics department. Essential computational methods used in macroeconomics. There will be particular focus on approximating the solution to dynamic stochastic general equilibrium models. Methods for representative-agent and heterogeneous-agent models will be extensively studied. Econometric methods such as Generalized Method of Moments, Maximum Likelihood, Vector Autoregressions wil also be covered.

0101	Pablo D'Erasmo	Seats (Total: 12)	
	TuTh 9:30am - 10:45am	TYD 1132	

ECON635 **Experimental Economics**

ECON635 Experimental Economics; (3 credits) Grade Method: REG/AUD.
Prerequisite: ECON604 and ECON603. An introduction to the methodology of laboratory and field experiments by concentrating on series of experiments to see how experiments build on one another and allow researchers with different theoretical dispositions to narrow the range of potential disgreement.

0101	Erkut Ozbay	Seats (Total: 20)
	TuTh 12:30pm - 1:45pm	TYD 2108

ECON652 **Public Economics I**

ECON652 Public Economics I; (3 credits) Grade Method: REG/AUD.
Prerequisite: ECON621 and ECON604; or ECON624. The characteristics and effects of government programs whose role is redistribution and social insurance are considered. Examples include cash welfare assistance, unemployment insurance, and Social Security. The focus is on U.S. programs, though other countries may be considered. Both theories of program design and empirical research on program effects will be covered. Topics in empirical methodology generally will also be stressed.

0101	Lesley Turner	Seats (Total: 20)
	TuTh 2:00pm - 3:15pm	WDS 1127

ECON662 **Theories of Industrial Organization**

ECON662 Theories of Industrial Organization; (3 credits) Grade Method: REG/AUD.
Prerequisite: ECON604 and ECON603. Classical theories of industry organization are analyzed. Topics include monopoly price discrimination, product differentiation and bundling as well as traditional oligopoly models of Cournot and Bertrand are examined. Dynamic models of oligopoly including entry deterrence and collusion are discussed in addition to games of research and development. Long-run industry structures and dynamics are also analyzed. Also investigates implications of these models for antitrust policy.

0101	Daniel Vincent	Seats (Total: 20)
	TuTh 2:00pm - 3:15pm	TYD 2108

ECON681 **Comparative Institutional Economics I**

ECON681 Comparative Institutional Economics I; (3 credits) Grade Method: REG/AUD.
Theory, empirics, and practice of economic institutions. Genesis, functions, and effects of institutions. Examinations of three major institutions, property, contract, and decentralization. Historical, cultural, political, and economic origins of institutions. Case studies from English history, comparative legal studies, China, history of world economic development, transition, and socialism. Perspectives from law and economics, contract theory, and information theory.

0101	Peter Murrell	Seats (Total: 20)
	TuTh 11:00am - 12:15pm	TYD 2110

ECON698 **Selected Topics in Economics**

ECON698 *(PermReq)* **Selected Topics in Economics; (3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ECON701 **Advanced Macroeconomics I**

ECON701 Advanced Macroeconomics I; (3 credits) Grade Method: REG/AUD. *Prerequisite: ECON602 and ECON601.* Recent developments in macroeconomics with an emphasis on topics and techniques useful for conducting research in macroeconomics. Topics include advanced treatment of fiscal and monetary policy issues; the role of imperfect competition; real, sectoral and nominal business cycle models.

0101	Pablo D'Erasmo, John Haltiwanger	Seats (Total: 25)
	MW 9:30am - 10:45am	TYD 0111

ECON703 **Advanced Microeconomics I**

ECON703 Advanced Microeconomics I; (3 credits) Grade Method: REG/AUD. *Prerequisite: ECON604 and ECON603.* Formal treatment of game theory and its microeconomic applications are presented, emphasizing dynamics and information. Equilibrium concepts for static and dynamic games, and games with complete and incomplete information are studied. Topics also discussed: mechanism design, efficiency, reputations, signaling, and screening.

0101	Peter Cramton TuTh 9:30am - 10:45am	Seats (Total: 30) TYD 0111

ECON708 **Advanced Topics in Applied and Theoretical Microeconomics**

ECON708 *(PermReq)* **Advanced Topics in Applied and Theoretical Microeconomics; (2 credits)** Grade Method: REG/AUD.

0101	Ethan Kaplan MW 12:30pm - 1:45pm	Seats (Total: 5) TYD 0111
0201	Emel Filiz Ozbay MW 12:30pm - 1:45pm	Seats (Total: 5) Location: TBA
0301	Ingmar Prucha MW 12:30pm - 1:45pm	Seats (Total: 5) Location: TBA
0401	Peter Coughlin MW 12:30pm - 1:45pm	Seats (Total: 5) Location: TBA
0501	John Chao MW 12:30pm - 1:45pm	Seats (Total: 5) Location: TBA

ECON709 **Advanced Topics in Applied and Theoretical Macroeconomics**

ECON709 *(PermReq)* **Advanced Topics in Applied and Theoretical Macroeconomics; (2 credits)** Grade Method: REG/AUD.

0101	John Shea TuTh 12:30pm - 1:45pm	Seats (Total: 5) TYD 0102
0201	Charles Hulten TuTh 12:30pm - 1:45pm	Seats (Total: 5) Location: TBA
0301	Rafael Dix Carneiro TuTh 12:30pm - 1:45pm	Seats (Total: 5) Location: TBA
0401	Razvan Vlaicu TuTh 12:30pm - 1:45pm	Seats (Total: 5) Location: TBA

ECON721 **Econometrics III**

ECON721 Econometrics III; (3 credits) Grade Method: REG/AUD.
Prerequisite: ECON624; or permission of BSOS-Economics department. Oriented towards macro-econometric methods. Topics covered will be selected from the following: Further discussion of topics covered in ECON624, nonlinear time series models, exogeneity and causality, non-stationary time series models (unit roots, co-integration, error correction models, vector autoregressive models), econometric models of volatility (ARCH and GARCH models, and Stochastic volatility models), rational expectations models, non-stationary panel data models, tests for structural change, Bayesian econometrics and methods for Bayesian computation.

0101	John Chao TuTh 5:00pm - 6:15pm	Seats (Total: 20) TYD 2108

ECON741 **Advanced International Economics I**

ECON741 Advanced International Economics I; (3 credits) Grade Method: REG/AUD.
Prerequisite: ECON601; or permission of BSOS-Economics department. Exchange rate determination; exchange rate regimes; international monetary reform; policy conflict and cooperation; the LDC debt problem; pricing of international assets; balance of payments crises.

0101	Carlos Vegh W 5:30pm - 8:00pm	Seats (Total: 20) TYD 0101

ECON742 **Advanced International Economics II**

ECON742 Advanced International Economics II; (3 credits) Grade Method: REG/AUD.
Prerequisite: ECON603; or permission of BSOS-Economics department. Comparative advantage, Heckscher-Ohlin theory, specific-factors model, empirical verification, economies of scale, imperfect competition, commercial policy, factor mobility.

0101	Nuno Limao TuTh 11:00am - 12:15pm	Seats (Total: 20) TYD 1118

ECON744 **Business Cycle Theory of Emerging Economies**

ECON744 Business Cycle Theory of Emerging Economies; (3 credits) Grade Method: REG/AUD.
Prerequisite: ECON602 and ECON604. Credit only granted for: ECON698M or ECON744. Formerly: ECON698M. An advanced course in International Economics that studies business cycle theory for emerging economies. It develops a set of quantitative tools for studying the determinants of international capital flows and their business cycle implications, with emphasis on the "Sudden Stop" phenomenon of emerging-markets crises. The course blends elements of real business cycle theory, international finance and equilibrium asset pricing theory and it relies heavily on recursive macroeconomic theory. Familiarity with computing software and the techniques covered in a course on computational economics are also useful, but not required in advance.

0101	Enrique Mendoza M 3:30pm - 6:00pm	Seats (Total: 20) KEY 0124

ECON754 **Topics in Political Economy I**

ECON754 Topics in Political Economy I; (3 credits) Grade Method: REG/AUD.
Prerequisite: ECON602 and ECON604; or permission of BSOS-Economics department. Study of political determinants of macroeconomic outcomes. Time inconsistency in monetary and fiscal policy, political business cycles. Political models of redistribution, delay in reform, transition, growth, and international policymaking.

0101	Allan Drazen MW 2:00pm - 3:15pm	Seats (Total: 20) TYD 2110

ECON771 **Advanced Labor Economics: Theory and Evidence**

ECON771 Advanced Labor Economics: Theory and Evidence; (3 credits) Grade Method: REG/AUD.
Prerequisite: Permission of BSOS-Economics department. Or ECON603; and (ECON624 or ECON621). Modern analytical and quantitative labor economics. Labor supply decisions of individuals and households; human capital model and distribution of income. Demand for labor; marginal productivity theory, imperfect information and screening. Interaction of labor demand and supply; unemployment; relative and absolute wages; macroeconomic aspects of the labor market.

0101	Sergio Urzua MW 2:00pm - 3:15pm	Seats (Total: 20) TYD 1118

ECON785 **Advanced Economics of Natural Resources**

ECON785 Advanced Economics of Natural Resources; (3 credits) Grade Method: REG/AUD.
Prerequisite: ECON604 and ECON603; and (ECON624 or ECON621). The use of exhaustible and renewable natural resources from normative and positive points of view. Analysis of dynamic resource problems emphasizing energy, mineral, groundwater, forestry, and fishery resources; optimal, equilibrium, and intergenerational models of resource allocation. Also offered as AREC785. Credit will be granted for one of the following: AREC785 or ECON785.

0101	Erik Lichtenberg MW 12:30pm - 1:45pm	Seats (Total: 28) SYM 0209

ECON799 **Master's Thesis Research**

ECON799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ECON808 **Workshop on Macroeconomics and Growth; Workshop in Applied Economics**

ECON808 Workshop on Macroeconomics and Growth: Workshop in Applied Economics; (2 credits) Grade Method: S-F/AUD.

0101	Enrique Mendoza W 3:30pm - 5:30pm	Seats (Total: 10) TYD 2110
0201	John Shea W 3:30pm - 5:30pm	Seats (Total: 10) Location: TBA
0301	Charles Hulten W 3:30pm - 5:30pm	Seats (Total: 10) Location: TBA
0401	Rafael Dix Carneiro W 3:30pm - 5:30pm	Seats (Total: 10) Location: TBA

ECON828 **Workshop in Econometrics**

ECON828 Workshop in Econometrics; (2 credits) Grade Method: S-F/AUD.

0101	Ingmar Prucha M 3:30pm - 5:30pm	Seats (Total: 20) TYD 1118

ECON848 **Workshop in International Development, and Comparative Economics**

ECON848 Workshop in International Development, and Comparative Economics; (2 credits) Grade Method: S-F/AUD.

0101	Ethan Kaplan M 3:30pm - 5:30pm	Seats (Total: 20) TYD 2110
0201	Razvan Vlaicu M 3:30pm - 5:30pm	Seats (Total: 20) Location: TBA

ECON868 **Workshop in Industrial Organization**

ECON868 Workshop in Industrial Organization; (2 credits) Grade Method: S-F/AUD.

0101	Erkut Ozbay Tu 3:30pm - 5:30pm	Seats (Total: 20) TYD 1108

ECON878 **Workshop in Labor Economics**

ECON878 Workshop in Labor Economics; (2 credits) Grade Method: S-F/AUD.

0101	Jessica Goldberg Th 3:30pm - 5:30pm	Seats (Total: 10) TYD 1118
0201	Sergio Urzua Th 3:30pm - 5:30pm	Seats (Total: 10) Location: TBA
0301	Judith Hellerstein Th 3:30pm - 5:30pm	Seats (Total: 10) Location: TBA

ECON898 **Pre-Candidacy Research**

ECON898 *(PermReq)* **Pre-Candidacy Research; (1-8 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ECON899 **Doctoral Dissertation Research**

ECON899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDCI Curriculum and Instruction Fall 2012

EDCI243 **Literature, Mass Media, and Schooling: The Formation of Group and Individual Identity**

EDCI243 Literature, Mass Media, and Schooling: The Formation of Group and Individual Identity; (3 credits) Grade Method: REG. CORE Literature (HL) Course. CORE Diversity (D) Course. GenEd: Diversity - Understanding Plural Societies.
The role of literature, mass media, and schooling as mechanisms for social change and social continuation.

0101	Sarah Morris MW 12:30pm - 1:45pm	Seats (Total: 30) EDU 0114
0201	Melissa Landa TuTh 12:30pm - 1:45pm	Seats (Total: 30) EDU 2119
0301	Sarah Morris TuTh 12:30pm - 1:45pm	Seats (Total: 30) COL 0100

EDCI246 **Good Stories: Teaching Narratives for Peace and Justice**

EDCI246 Good Stories: Teaching Narratives for Peace and Justice; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course. GenEd: Distributive Studies - Humanities; Signature Courses - I-Series.
Through the study and use of oral storytelling and digital technologies, explore qualities and characteristics of what makes a good story and how stories can be used to advance peace and justice on both individual and social levels.

0101	Joseph McCaleb Tu 11:00am - 12:15pm Th 11:00am - 12:15pm	Seats (Total: 30) CHM 2201 ASY 3219	 Lab
0102	Joseph McCaleb Tu 11:00am - 12:15pm Th 11:00am - 12:15pm	Seats (Total: 30) CHM 2201 HBK 1108	 Lab

EDCI280 **Looking Inside Schools and Classrooms**

EDCI280 Looking Inside Schools and Classrooms; (3 credits) Grade Method: REG.

An exploration of teaching in public schools, grades 1-12: student diversity, societal changes, and the expectations of teachers and public schools. Three hour per week field component. Two hours each week on campus with an arranged three hours each week in a local school off campus. Allow an appropriate amount of travel time to transition from your classes meeting on-campus and your off-campus experience.

0201	Lisa Bote Tu 12:30pm - 2:20pm Tu 8:30am - 11:30am *Orientation will be held during the first class/seminar meeting.*	Seats (Total: 24) EDU 2121 Location: TBA	 Lab
0202	Lisa Bote Tu 12:30pm - 2:20pm W 12:30pm - 3:30pm *Orientation will be held during the first class/seminar meeting.*	Seats (Total: 6) EDU 2121 Location: TBA	 Lab
0301	Margaret Peterson Th 2:00pm - 3:50pm Th 8:30am - 11:30am *Orientation will be held the first class/seminar meeting.*	Seats (Total: 24) EDU 3315 Location: TBA	 Lab
0302	Margaret Peterson Th 2:00pm - 3:50pm W 12:30pm - 3:30pm *Orientation will be held during the first class/seminar meeting.*	Seats (Total: 6) EDU 3315 Location: TBA	 Lab

EDCI286 **Latino and Black Schooling: A History**

EDCI286 Latino and Black Schooling: A History; (3 credits) Grade Method: REG/AUD. CORE Social or Political History (SH) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - History and Social Sciences; Diversity - Understanding Plural Societies; Signature Courses - I-Series.
The historical, cultural, political and socio-economic factors that shape the school experience and achievement (Kindergarten - college) of Latinos and Blacks in the U.S.

0101	Victoria MacDonald TuTh 12:30pm - 1:45pm	Seats (Total: 80) SQH 1120

EDCI288D **Special Topics in Teacher Education; Developmental Heuristics**

EDCI288D Special Topics in Teacher Education: Developmental Heuristics; (3 credits) Grade Method: REG.

0101	Tilahun Beyene Contact instructor or department for details.	Seats (Total: 20)

EDCI288L **Special Topics in Teacher Education; Exploring Teaching as a Career**

EDCI288L Special Topics in Teacher Education: Exploring Teaching as a Career; (1 credit) Grade Method: REG.
Tuesday schedule TBA at 1st class, September 4, 2012. Click here for more course information.

0101	Kristin Sinclair, Kristin Hamilton, Amanda Stefanski **Meets September 4, 2012 - December 12, 2012** Tu 6:00pm - 8:45pm	Seats (Total: 35) ASY 3203

EDCI288O **Special Topics in Teacher Education; America Counts/America Reads**

EDCI288O *(PermReq)* **Special Topics in Teacher Education: America Counts/America Reads; (1-2 credits)** Grade Method: REG.

0101	Lauren Fryer, Alison Barlow Th 12:30pm - 1:45pm	Seats (Total: 30) EDU 0114

EDCI298 **Special Problems in Teacher Education**

EDCI298 *(PermReq)* **Special Problems in Teacher Education; (1-6 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDCI305A **Curriculum and Instruction in Elementary Education Cluster**

EDCI305A *(PermReq)* **Curriculum and Instruction in Elementary Education Cluster; (No credit)** Grade Method: NGI.
Restricted to students registering for the elementary education blocks.

0101	Instructor: TBA Contact instructor or department for details.	Seats (Total: 26)
0201	Instructor: TBA Contact instructor or department for details.	Seats (Total: 26)

EDCI305B **Curriculum and Instruction in Elementary Education Cluster**

EDCI305B *(PermReq)* **Curriculum and Instruction in Elementary Education Cluster; (No credit)** Grade Method: NGI.
Restricted to students registering for the elementary education blocks.

0101	Instructor: TBA Contact instructor or department for details.	Seats (Total: 26)
0201	Instructor: TBA Contact instructor or department for details.	Seats (Total: 26)

EDCI322A **Curriculum and Instruction in Elementary Education: Social Studies**

EDCI322A *(PermReq)* **Curriculum and Instruction in Elementary Education: Social Studies; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: EDCI397. Corequisite: Concurrently enrolled in EDCI352, EDCI362, EDCI342, and EDCI372. Restriction: Minimum cumulative GPA of 2.75; and permission of EDUC-Teaching, Learning, Policy and Leadership department; and must be in Elementary Education program. Curriculum, organization and methods of teaching, evaluation of materials, and utilization of environmental resources. Emphasis on multicultural education. Includes laboratory/field experiences.

0101	Lisa Eaker M 8:30am - 10:20am Contact instructor or department for details. *Teamed with EDCI 342A, 352A, 362A, 372A, EDCI488B-0101.*	Seats (Total: 0) EDU 2212
0201	Brianne Walsh W 1:00pm - 2:50pm Contact instructor or department for details. *Teamed with EDCI 342A, 352A, 362A, 372A, 488B-0201.*	Seats (Total: 0) EDU 2212

EDCI322B **Curriculum and Instruction in Elementary Education: Social Studies**

EDCI322B *(PermReq)* **Curriculum and Instruction in Elementary Education: Social Studies; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: EDCI397. Corequisite: Concurrently enrolled in EDCI352, EDCI362, EDCI342, and EDCI372. Restriction: Minimum cumulative GPA of 2.75; and permission of EDUC-Teaching, Learning, Policy and Leadership department; and must be in Elementary Education program.* Curriculum, organization and methods of teaching, evaluation of materials, and utilization of environmental resources. Emphasis on multicultural education. Includes laboratory/field experiences. Teamed with EDCI 342B, 352B, 362B, 372B section 0101, 488B section 0301. For registration purposes, please refer to EDCI 305B.

0101	Lisa Eaker M 1:00pm - 2:50pm Contact instructor or department for details. *Teamed with EDCI 342B, 352B, 362B, 372B-0101, 488B-0301.*	Seats (Total: 0) EDU 2119
0201	Michael Neel Th 8:30am - 10:20am Contact instructor or department for details. *Teamed with EDCI342B, 352B, 362B, 372B-0201, EDCI488B-0401.*	Seats (Total: 0) EDU 1107

EDCI342A **Curriculum and Instruction in Elementary Education: Language Arts**

EDCI342A *(PermReq)* **Curriculum and Instruction in Elementary Education: Language Arts; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: EDCI397. Corequisite: Concurrently enrolled in EDCI352, EDCI362, EDCI372, and EDCI322. Restriction: Minimum cumulative GPA of 2.75; and permission of EDUC-Teaching, Learning, Policy and Leadership department; and must be in Elementary Education program. Listening, oral communication, functional writing, creative writing, spelling, handwriting, and creative expression. Includes laboratory/field experiences. For registration purposes, please refer to EDCI 305A section 0101.

0101	Melissa Landa M 10:30am - 12:20pm Contact instructor or department for details. *Teamed with EDCI 322A, 352A, 362A, 372A-0101, 488B-0101.*	Seats (Total: 0) EDU 2121
0201	John O'Flahavan W 8:30am - 10:20am Contact instructor or department for details. *Teamed with EDCI 322A, 352A, 362A, 372A-0201, 488B-0201.*	Seats (Total: 0) EDU 2212

EDCI342B **Curriculum and Instruction in Elementary Education: Language Arts**

EDCI342B *(PermReq)* **Curriculum and Instruction in Elementary Education: Language Arts; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: EDCI397. Corequisite: Concurrently enrolled in EDCI352, EDCI362, EDCI372, and EDCI322. Restriction: Minimum cumulative GPA of 2.75; and permission of EDUC-Teaching, Learning, Policy and Leadership department; and must be in Elementary Education program. Listening, oral communication, functional writing, creative writing, spelling, handwriting, and creative expression. Includes laboratory/field experiences. Teamed with EDCI 322B, 352B, 362B, 372B, and 488B- section 0301. For regi stration purposes, please refer to EDCI305B.

0101	John O'Flahavan Tu 1:00pm - 2:50pm Contact instructor or department for details. *Teamed with EDCI 322B, 352B, 362B, 372B-0101, 488B-0301.*	Seats (Total: 0) EDU 0206

0201	Jessica DeMink-Carthew Th 10:30am - 12:20pm Contact instructor or department for details. *Teamed with EDCI 322B, 352B, 362B, 372B-0201, 488B-0401.*	Seats (Total: 0) EDU 2121

EDCI352A **Curriculum and Instruction in Elementary Education: Mathematics**

EDCI352A *(PermReq)* **Curriculum and Instruction in Elementary Education: Mathematics; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: EDCI397. Corequisite: Concurrently enrolled in EDCI362, EDCI342, EDCI372, and EDCI322. Restriction: Must be in Elementary Education program; and minimum cumulative GPA of 2.75. Or permission of EDUC-Teaching, Learning, Policy and Leadership department. Materials and procedures to help children sense arithmetical meanings and relationships. Development of an understanding of the number system and arithmetical processes. Includes laboratory/field experiences.

0101	Lisa Bote Tu 8:30am - 10:20am Contact instructor or department for details. *Teamed with EDCI 322A, 342A, 362A, 372A, and 488B-0101.*	Seats (Total: 0) EDU 2121
0201	Gail Kaplan-Wassell Th 8:30am - 10:20am Contact instructor or department for details. *Teamed with EDCI 322A, 342A, 362A, 372A-0201, 488B-0201.*	Seats (Total: 0) EDU 2121

EDCI352B **Curriculum and Instruction in Elementary Education: Mathematics**

EDCI352B *(PermReq)* **Curriculum and Instruction in Elementary Education: Mathematics; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: EDCI397. Corequisite: Concurrently enrolled in EDCI362, EDCI342, EDCI372, and EDCI322. Restriction: Must be in Elementary Education program; and minimum cumulative GPA of 2.75. Or permission of EDUC-Teaching, Learning, Policy and Leadership department. Materials and procedures to help children sense arithmetical meanings and relationships. Development of an understanding of the number system and arithmetical processes. Includes laboratory/field experiences. For registration purposes, please refer to EDCI 305B- section 0101.

0101	Beatriz Quintos M 8:30am - 10:20am Contact instructor or department for details. *Teamed with EDCI 322B, 342B, 362B, 372B-0101, EDCI 488B-0301.*	Seats (Total: 0) EDU 2121
0201	Lisa Bote Tu 10:30am - 12:20pm Contact instructor or department for details. *Teamed with EDCI 322A, 342A, 362A, 372A-0201, 488B-0401.*	Seats (Total: 0) EDU 2121

EDCI355 **Field Experience in Secondary Mathematics Education**

EDCI355 *(PermReq)* **Field Experience in Secondary Mathematics Education; (1 credit)** Grade Method: S-F.
Prerequisite: Minimum of 6 credits from MATH400-499 course range. Corequisite: EDCI 455. Restriction: Must be in Secondary Educ: Mathematics program; and minimum cumulative GPA of 2.75. Or permission of EDUC-Teaching, Learning, Policy and Leadership department. Practical experience as an aide to two secondary mathematics teachers (middle grades and high school); assigned responsibilities and participation in a variety of teaching/learning activities.

0101	John Seelke Contact instructor or department for details.	Seats (Total: 20)

EDCI362A **Materials and Instruction for Creating Skilled and Motivated Readers, Part 2**

EDCI362A *(PermReq)* **Materials and Instruction for Creating Skilled and Motivated Readers, Part 2; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: EDCI397. Corequisite: Concurrently enrolled in EDCI352, EDCI342, EDCI372, and EDCI322. Restriction: Must be in Elementary Education program; and minimum cumulative GPA of 2.75. Or permission of EDUC-Teaching, Learning, Policy and Leadership department. Selecting, evaluating, and using a variety of materials and instructional techniques to create skilled and motivated readers in the elementary grades, particularly in diverse classroom settings; Topics include word analysis, spelling, writing, reading comprehension strategies, directed reading lessons and explicit instruction. Teamed with EDCI 322A, 342A, 352A, 372A, and 488B section 0201.

0101	Peter Afflerbach M 1:00pm - 2:50pm Contact instructor or department for details. *Teamed with EDCI 322A, 342A, 352A, 372A, 488B-0101.*	Seats (Total: 0) EDU 2212
0201	Olivia Saracho W 10:30am - 12:20pm Contact instructor or department for details. *Teamed with EDCI 322A, 342A, 352A, 372A, 488B-0201.*	Seats (Total: 0) EDU 2212

EDCI362B **Materials and Instruction for Creating Skilled and Motivated Readers, Part 2**

EDCI362B *(PermReq)* **Materials and Instruction for Creating Skilled and Motivated Readers, Part 2; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: EDCI397. Corequisite: Concurrently enrolled in EDCI352, EDCI342, EDCI372, and EDCI322. Restriction: Must be in Elementary Education program; and minimum cumulative GPA of 2.75. Or permission of EDUC-Teaching, Learning, Policy and Leadership department.* Selecting, evaluating, and using a variety of materials and instructional techniques to create skilled and motivated readers in the elementary grades, particularly in diverse classroom settings; Topics include word analysis, spelling, writing, reading comprehension strategies, directed reading lessons and explicit instruction. Teamed with EDCI 322B, 342B, 352B, 372B section 0301 and EDCI488B section 0501.

0101	Olivia Saracho Tu 10:30am - 12:20pm Contact instructor or department for details. *Teamed with EDCI 322B, 342B, 352B, 372B-0201, 488B-0301.*	Seats (Total: 0) EDU 2119
0201	Brecca Faust Th 1:00pm - 2:50pm Contact instructor or department for details. *Teamed with EDCI 322B, 342B, 352B, 372B-0201, 488B-0401.*	Seats (Total: 0) EDU 2121

EDCI372A **Curriculum and Instruction in Elementary Education: Science**

EDCI372A *(PermReq)* **Curriculum and Instruction in Elementary Education: Science; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: EDCI397. Corequisite: Concurrently enrolled in EDCI352, EDCI362, EDCI342, and EDCI322. Restriction: Must be in Elementary Education program; and minimum cumulative GPA of 2.75. Or permission of EDUC-Teaching, Learning, Policy and Leadership department. Objectives, methods, materials and activities for teaching science in the elementary school; emphasis on teaching strategies which help children learn the processes and concepts of science. Includes laboratory/field experiences.

0101	James McGinnis Tu 10:30am - 12:20pm Contact instructor or department for details. *Teamed with EDCI 322B, 342B, 352B, 362B-0301, 488B-0501.*	Seats (Total: 0) EDU 2212
0201	James McGinnis Th 10:30am - 12:20pm Contact instructor or department for details. *Teamed with EDCI 322A, 342A, 352A, 362A, 488B-0201.*	Seats (Total: 0) EDU 2212

EDCI372B **Curriculum and Instruction in Elementary Education: Science**

EDCI372B *(PermReq)* **Curriculum and Instruction in Elementary Education: Science; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: EDCI397. Corequisite: Concurrently enrolled in EDCI352, EDCI362, EDCI342, and EDCI322. Restriction: Must be in Elementary Education program; and minimum cumulative GPA of 2.75. Or permission of EDUC-Teaching, Learning, Policy and Leadership department. Objectives, methods, materials and activities for teaching science in the elementary school; emphasis on teaching strategies which help children learn the processes and concepts of science. Includes laboratory/field experiences. Teamed with EDCI 322B, 342B, 352B, 362B section 0101 and 488B-section 0301. For registration purposes, please refer to EDCI 305B.

0101	Minjung Ryu M 10:30am - 12:20pm Contact instructor or department for details.	Seats (Total: 0) EDU 2212
0201	Minjung Ryu Tu 8:30am - 10:20am Contact instructor or department for details. *Teamed with EDCI322B, 342B, 352B, 362B-0201, 488B-0401.*	Seats (Total: 0) EDU 2212

EDCI375 **Field Experience in Science Education**

EDCI375 Field Experience in Science Education; (1 credit) Grade Method: S-F. *Corequisite: Concurrently enrolled in EDCI470. Restriction: Must be in Secondary Educ: Science program.* This field experience course is designed to provide prospective teachers with knowledge of theory and best school practice relevant to effective pedagogy, current educational goals, and trends in educational assessment in a public school environment. Topics includes planning, instructional delivery, diversity and individual differences, classroom management, technology, and inclusion of students with special needs.

0101	Stacy Pritchett	Seats (Total: 15)
	Contact instructor or department for details.	

EDCI400 **Field Experience in Art Education**

EDCI400 *(PermReq)* **Field Experience in Art Education; (1 credit)** Grade Method: REG/P-F/AUD.
Restriction: Permission of EDUC-Teaching, Learning, Policy and Leadership department; and must be in Secondary Educ: Art program. Practical classroom experience in teaching/evaluating/exhibiting the products of art lessons. Six hours for field experience required. Times to be arranged with the instructor. In addition to registering for this course, all students must apply for the year-long internship. Click here to apply for the internship.

0101	Susan Hendricks	Seats (Total: 10)
	Contact instructor or department for details.	

EDCI403 **Teaching Art Criticism and Aesthetics**

EDCI403 *(PermReq)* **Teaching Art Criticism and Aesthetics; (3 credits)** Grade Method: REG/P-F/AUD.
Restriction: Minimum cumulative GPA of 2.75. Introduction to the field of Art Education and the role of the visual arts in grades PreK-12 for today's diverse school populations. The fundamental, historical and philosophic components of art education with an emphasis on arts disciplines and curriculum. Includes a school-based practicum. For those considering art education as a major.

0101	Margaret Walker	Seats (Total: 25)
	Th 9:00am - 12:00pm	EDU 1315

EDCI406 **Technology and Two-Dimensional Art**

EDCI406 *(PermReq)* **Technology and Two-Dimensional Art; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ARTT210. Restriction: Minimum cumulative GPA of 2.5; and permission of EDUC-Teaching, Learning, Policy and Leadership department; and Junior standing or higher; and must not be in any of the following programs (Early Childhood Education; Elementary Education; Secondary Educ: Science; Secondary Educ: English Language Arts; Secondary Educ: Mathematics; Secondary Educ: Foreign Languages; Secondary Educ: Social Studies; Physical Education; Music Education; Secondary Educ: Art; Special Education). A discussion/studio format used to develop skills, materials, resources and education strategies for using technology and two-dimensional art in K-12 programs.

0101	Margaret Walker	Seats (Total: 19)	
	TuTh 1:00pm - 3:15pm Th 3:30pm - 5:00pm	EDU 1315 Location: TBA	Lab
	Lab portion meets for seven Thursdays from 3:30-5pm at Berwyn Heights Elementary School.		

EDCI410 **Methods I: K-12 Foreign Language Methods and Technology**

EDCI410 *(PermReq)* **Methods I: K-12 Foreign Language Methods and Technology; (3 credits)** Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Scholarship in Practice.
Restriction: Minimum cumulative GPA of 2.75; and permission of EDUC-Teaching, Learning, Policy and Leadership department. Credit only granted for: EDCI330 or EDCI410. Formerly: EDCI330. The first of two sequential courses required for achieving competence in teaching a foreign language. The sequel to this course is EDCI433 (Methods II) entitled: Advanced K-12 Foreign Language Methods and Technology. EDCI410 requires on-going examination of theories relevant to language acquisition. Students will also investigate the instructional methods that reflect those theories.

0101	Ali Selvi	Seats (Total: 15)
	MW 3:00pm - 4:15pm	EDU 2212

EDCI411 **Knowledge, Reasoning, and Learning in Science**

EDCI411 *(PermReq)* **Knowledge, Reasoning, and Learning in Science; (3 credits)** Grade Method: REG/P-F/AUD.
Restriction: Minimum cumulative GPA of 2.75; and permission of EDUC-Teaching, Learning, Policy and Leadership department. Credit only granted for: EDCI370 or EDCI411. Formerly: EDCI370. For prospective science teachers. Investigations of the nature of knowledge, reasoning, and learning in middle and secondary science. Readings from cognitive science and science education research; studies of student thinking in interview and classroom observations; analyses of curricula. Includes laboratory and field experiences.

0101	Diane Ketelhut	Seats (Total: 25)
	TuTh 3:00pm - 4:15pm	EDU 2212

EDCI413 **Interdisciplinary Teaching in the Middle Grades I**

EDCI413 Interdisciplinary Teaching in the Middle Grades I; (2 credits) Grade Method: REG/P-F/AUD.
Prerequisite: EDCI457 and EDCI411; or permission of instructor. Corequisite: Concurrently enrolled in EDCI360 and EDCI424. Restriction: Minimum cumulative GPA of 2.5; and Must be in the Middle School Teacher Education Program. For prospective middle school teachers. Studying and planning interdisciplinary instructional practices in middle school. Utilizes context and experiences from students' field placements. Use of technology and incorporation of technology into instruction.

IHP1	Hollie Young	Seats (Total: 25)
	Meets August 29, 2012 - December 21, 2012	
	M 1:00pm - 3:00pm	Location: TBA
	TLPL/EDCI MCERT Program Outreach Offering. Department permission requir ed.	

EDCI416 **Teaching and Learning in Secondary Education: English**

EDCI416 *(PermReq)* **Teaching and Learning in Secondary Education: English; (3 credits)** Grade Method: REG. GenEd: Distributive Studies - Scholarship in Practice. *Credit only granted for: EDCI340 or EDCI416. Formerly: EDCI340.* An introduction for prospective middle and secondary English teachers into the basic issues, concepts, orientations, and processes that shape the teaching of English for diverse students in schools. Candidates explore their own perspectives in relation to local and national trends and develop basic teaching understanding and skills through on-campus seminars, teaching laboratory experiences, and guided field experiences. Students should reserve one full day or two half days per week for field experience. Reserve one half day for entire semester for field experience.

0101	Peggy Wilson M 8:30am - 10:15am W 8:30am - 10:15am	Seats (Total: 12) EDU 3315 EDU 3315	 Lab
0102	Peggy Wilson M 8:30am - 10:15am W 8:30am - 10:15am	Seats (Total: 12) EDU 3315 EDU 0202	 Lab
0103	Peggy Wilson M 8:30am - 10:15am M 2:30pm - 4:15pm	Seats (Total: 12) EDU 3315 KNI 1103	 Lab

EDCI423 **Art Education Methods II**

EDCI423 *(PermReq)* **Art Education Methods II; (3 credits)** Grade Method: REG. *Prerequisite: EDCI405; or students who have taken courses with similar or comparable course content may contact the department. Corequisite: Concurrently enrolled in EDCI400. Restriction: Minimum cumulative GPA of 2.5; and must be in Secondary Educ: Art program.* Methods II builds upon the pedagogical foundation of Methods I and provides future art teachers with the means for developing pre K-12 art lessons and unit plans for a balanced qualitative art program for today's diverse and inclusive schools and classrooms.

0101	Susan Hendricks Tu 9:00am - 12:00pm	Seats (Total: 25) EDU 1315

EDCI426 **Knowledge, Reasoning, and Learning in Secondary Social Studies**

EDCI426 *(PermReq)* **Knowledge, Reasoning, and Learning in Secondary Social Studies; (3 credits)** Grade Method: REG.
Restriction: Permission of EDUC-Teaching, Learning, Policy and Leadership department; and minimum cumulative GPA of 2.75. An exploration of the nature of knowledge and reasoning in social studies disciplines as well as how students learn social studies. Assessment and investigation of students' conceptions and misconceptions as well as their disciplinary thinking. Implications for teaching and initial lesson design are explored through on-campus seminars as well as guided field experiences. Students should reserve a regular half-day per week for the field experience in local schools. This course is required for admission to the secondary social studies double major.

0101	Lisa Eaker W 1:00pm - 3:50pm	Seats (Total: 23) EDU 3236
0201	Lisa Eaker Th 4:15pm - 7:00pm	Seats (Total: 23) ASY 3219

EDCI427 **Curriculum, Teaching, and Assessment in Secondary Social Studies**

EDCI427 *(PermReq)* **Curriculum, Teaching, and Assessment in Secondary Social Studies; (3 credits)** Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Scholarship in Practice.
Prerequisite: EDCI426. Corequisite: Concurrently enrolled in EDCI428. Restriction: Must be in Secondary Educ: Social Studies program; and minimum cumulative GPA of 2.75. Or permission of EDUC-Center for Learning & Educational Technology. An exploration of curriculum development, teaching, and assessment in secondary history/social studies. Focus on identifying students' conceptions of social studies topics and designing lessons that advance students' disciplinary thinking and understanding. Also offered as EDCI350. In addition to registering for this course, all students must apply for the year-long internship. Click here to apply for the internship.

0101	Kristen Harris Tu 1:00pm - 3:50pm	Seats (Total: 15) EDU 0202

EDCI428 **Field Experience in Secondary Social Studies Teaching**

EDCI428 *(PermReq)* **Field Experience in Secondary Social Studies Teaching; (1 credit)** Grade Method: S-F.
Co-requisite: EDCI 427. Students must reserve one full day per week for observation.

0101	Alison Jovanovic	Seats (Total: 35)
	Contact instructor or department for details.	

EDCI432 **Issues in the Education of English Language Learners**

EDCI432 Issues in the Education of English Language Learners; (3 credits) Grade Method: REG/P-F/AUD.
Credit only granted for: EDCI432 or EDCI488Q. Formerly: EDCI488Q. Introduction to and analysis of current and historical research, practice, trends, and public policy issues in education as they relate to English language learners in K-12 and other settings.

0101	Bedrettin Yazan	Seats (Total: 25)
	TuTh 9:30am - 10:45am	EDU 3233

EDCI433 **Advanced K-12 Foreign Language Methods and Technology**

EDCI433 *(PermReq)* **Advanced K-12 Foreign Language Methods and Technology; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: EDCI410. Corequisite: Concurrently enrolled in EDCI438. Restriction: Must be in Secondary Educ: Foreign Languages program; and minimum cumulative GPA of 2.75. Or permission of EDUC-Teaching, Learning, Policy and Leadership department. Teaches advanced best practices for effective foreign language instruction. Topics include: using authentic assessment and materials, applying national standards, teaching writing and culture, motivating students, providing strategy instruction, infusing technology, preparing for K-12 employment, and creating a professional portfolio. EDCI 438 must be taken concurrently with EDCI 433. In addition to registering for this course, all students must apply for the year-long internship. Also offered under EDCI688A. Click here to apply for the internship.

0101	Kayra Alvarado	Seats (Total: 10)
	M 5:00pm - 7:45pm	ASY 3221

IHP1	Kayra Alvarado **Meets August 29, 2012 - December 21, 2012** M 5:30pm - 8:30pm	Seats (Total: 25) Location: TBA
	EDCI Outreach Secondary MCERT. Department Permission Required.	

EDCI435 **Teaching English Language Learners Reading and Writing in the Secondary Content Areas**

EDCI435 Teaching English Language Learners Reading and Writing in the Secondary Content Areas; (3 credits) Grade Method: REG/P-F/AUD.
Analysis of approaches to curriculum, current research, theory, and pedagogy of reading and writing to second language students from diverse cultural and linguistic backgrounds. State Approved. Required for TESOL certification program.

0101	Pei-Jie Chen TuTh 11:00am - 12:15pm	Seats (Total: 25) ARC 1103

EDCI436 **Understanding Cross-Cultural Communication for Teaching English Language Learners**

EDCI436 Understanding Cross-Cultural Communication for Teaching English Language Learners; (3 credits) Grade Method: REG. GenEd: Diversity - Cultural Competency.
Credit only granted for: EDCI436 or EDCI488T. Formerly: EDCI488T. Theories of intercultural communication and techniques for applying them in the teaching of English as a second language (ESL) and content classes. Research and evaluation of selected aspects of a culture as basis for creating, selecting and using culturally-responsive teaching materials and methods.

0101	Maria Austria M 5:00pm - 7:45pm	Seats (Total: 25) TWS 0205

EDCI438 **Field Experience in Second Language Education; Field Experience in Second Language Education**

EDCI438 *(PermReq)* **Field Experience in Second Language Education: Field Experience in Second Language Education; (1 credit)** Grade Method: S-F.
EDCI 433 must be taken concurrently with EDCI 438.

0101	Perla Blejer Contact instructor or department for details.	Seats (Total: 10)

EDCI443 **Literature for Children and Youth**

EDCI443 Literature for Children and Youth; (3 credits) Grade Method: REG/P-F/AUD.
Restriction: Must be in Elementary Education program; or Must be a Pre-Education Major. Analysis of literary materials for children and youth. Timeless and ageless books, and outstanding examples of contemporary publishing. Evaluation of the contributions of individual authors, illustrators and children's book awards.

0101	Thor Gibbins MW 11:00am - 12:15pm	Seats (Total: 26) EDU 0114
0201	Jessica DeMink-Carthew MW 9:00am - 10:15am	Seats (Total: 26) EDU 2101
0301	Melissa Landa TuTh 11:00am - 12:15pm	Seats (Total: 26) EDU 0206

EDCI447 **Field Experience in English Teaching**

EDCI447 *(PermReq)* **Field Experience in English Teaching; (1 credit)** Grade Method: S-F.
Corequisite: Concurrently enrolled in EDCI467. Restriction: Must be in Secondary Educ: English Language Arts program; and minimum cumulative GPA of 2.75. Or permission of EDUC-Teaching, Learning, Policy and Leadership department. Practical experience as a part-time intern working with a fully licensed English teacher in a diverse school setting. Students must reserve one full day or two half days per week for the part-time internship. Secondary English/speech/drama education majors only. Students must reserve one full day per week for observation.

0101	Peggy Wilson Contact instructor or department for details.	Seats (Total: 25)

EDCI455 **Teaching and Learning High School Mathematics**

EDCI455 *(PermReq)* **Teaching and Learning High School Mathematics; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: Must have 2 semesters of calculus; or permission of EDUC-Teaching, Learning, Policy and Leadership department. Corequisite: Concurrently enrolled in EDCI355. Restriction: Must be in Secondary Educ: Mathematics program; and minimum cumulative GPA of 2.75. Or permission of EDUC-Teaching, Learning, Policy and Leadership department. Methods of teaching and assessing the high school mathematics curriculum; aligning tasks and activities to curriculum standards; lesson planning; and selection and use of technology. The course also focuses on managing large group dynamics in the high school mathematics classroom. Also offered as EDCI350. In addition to registering for this course, all students must apply for the year-long internship. Click here to apply for the internship.

0101	Richard Hollenbeck Tu 5:00pm - 7:45pm	Seats (Total: 25) EDU 2121

EDCI457 **Teaching and Learning Middle School Mathematics**

EDCI457 *(PermReq)* **Teaching and Learning Middle School Mathematics; (3 credits)** Grade Method: REG/P-F/AUD.
Restriction: Minimum cumulative GPA of 2.75; and permission of EDUC-Teaching, Learning, Policy and Leadership department. Methods of teaching and assessing the middle school mathematics curriculum. Understanding the conceptual difficulties students have in moving from whole numbers to rational numbers, additive thinking to multiplicative thinking, and arithmetic to algebra. Lesson planning and selection of technology and other materials are applied in the context of supervised tutoring of students having difficulty in middle school mathematics.

0101	Lawrence Clark TuTh 3:00pm - 5:00pm	Seats (Total: 25) EDU 2121

EDCI461 **Materials and Instruction for Creating Skilled and Motivated Readers, Part I**

EDCI461 *(PermReq)* **Materials and Instruction for Creating Skilled and Motivated Readers, Part I; (3 credits)** Grade Method: REG.
Restriction: Must be in Elementary Education program; and Junior standing or higher. Or permission of EDUC-Teaching, Learning, Policy and Leadership department. Selecting, evaluating, and using a variety of materials and instructional strategies to create skilled and motivated readers in the elementary grades; Topics include emergent literacy, vocabulary development, reading comprehension and oral reading fluency in diverse classroom settings.

0301	Rose Codling TuTh 11:00am - 12:15pm	Seats (Total: 28) EDU 0114
IHP1	Jennifer Turner **Meets September 4, 2012 - December 21, 2012** M 9:00am - 12:00pm *MCERT ELEM Outreach Offering. Departmental permission required.*	Seats (Total: 25) Location: TBA

EDCI463 **Reading in the Secondary School**

EDCI463 *(PermReq)* **Reading in the Secondary School; (3 credits)** Grade Method: REG/P-F/AUD.
Restriction: Minimum cumulative GPA of 2.5; and must be in one of the following programs (Secondary Educ: Science; Secondary Educ: English Language Arts; Secondary Educ: Mathematics; Secondary Educ: Foreign Languages; Secondary Educ: Social Studies; Secondary Educ: Art) ; and Permission of department required for post-baccalaureate students. Provides secondary school teachers with understanding the need for and approaches to teaching students to read and learn from content area texts. Also offered as EDCI 661.

0101	Ayanna Baccus MW 3:00pm - 4:15pm	Seats (Total: 30) EDU 1315
0201	Pamela Segal MW 3:00pm - 4:15pm	Seats (Total: 32) EDU 2119

EDCI466 **Literature for Adolescents**

EDCI466 *(PermReq)* **Literature for Adolescents; (3 credits)** Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Humanities.
Restriction: Minimum cumulative GPA of 2.75; and permission of EDUC-Teaching, Learning, Policy and Leadership department. Reading and analysis of fiction and nonfiction; methods for critically assessing quality and appeal; current theory and methods of instruction; research on response to literature; curriculum design and selection of books.

0101	Megan Callow	Seats (Total: 25)
	MW 11:00am - 12:15pm	EDU 1315

EDCI467 **Teaching Writing**

EDCI467 *(PermReq)* **Teaching Writing; (3 credits)** Grade Method: REG/P-F/AUD.
Corequisite: Concurrently enrolled in EDCI447. Restriction: Must be in Secondary Educ: English Language Arts program; and minimum cumulative GPA of 2.75. Or permission of EDUC-Teaching, Learning, Policy and Leadership department.
Examines current theory, research, best practice, curricula and materials for teaching written communication in grades K-12. Focuses on analytical, argumentative, informative/explanatory, literary analysis, narrative, descriptive, and research writing. Emphasizes instructional planning, assessment, writer problem-solving strategies, information search, development, organization and style appropriate to task, purpose and audience for both non-digital and digital text. English Language Learner and special needs pupil issues considered.

0101	Wayne Slater	Seats (Total: 30)
	Th 5:00pm - 7:45pm	EDU 2121

EDCI470 **Learning and Teaching in Science**

EDCI470 *(PermReq)* **Learning and Teaching in Science; (3 credits)** Grade Method: REG.
Prerequisite: EDCI411; or permission of instructor. Restriction: Must be in Secondary Educ: Science program. Studies of student learning and instructional practices in science teaching.

0101	Jason Yip	Seats (Total: 20)
	Tu 5:00pm - 7:45pm	EDU 2212

EDCI488B **Selected Topics in Teacher Education; Classroom Management**

EDCI488B Selected Topics in Teacher Education: Classroom Management; (1 credit) Grade Method: REG.

0101	Ann Schweighofer Tu 1:00pm - 3:00pm	Seats (Total: 0) EDU 2212
0201	Susan Denvir Th 1:00pm - 3:00pm	Seats (Total: 0) EDU 2212
0301	Tracy Dunheimer Tu 8:00am - 10:15am	Seats (Total: 0) EDU 1107
0401	Eugene Haines Tu 1:00pm - 3:15pm	Seats (Total: 0) ARC 1103

EDCI488D **Selected Topics in Teacher Education; Mathematics and Science Education: Theory and Practice for Learning Assistants**

EDCI488D Selected Topics in Teacher Education: Mathematics and Science Education: Theory and Practice for Learning Assistants; (1-3 credits) Grade Method: REG/P-F/AUD.

0101	Jennifer Richards W 5:00pm - 7:45pm	Seats (Total: 12) EDU 2212A

EDCI488L **Selected Topics in Teacher Education; Embracing Diversity in Classroom Communities**

EDCI488L Selected Topics in Teacher Education: Embracing Diversity in Classroom Communities; (1-3 credits) Grade Method: REG/P-F/AUD.

0201	Summer Clark Tu 3:30pm - 6:15pm	Seats (Total: 25) SQH 1101

EDCI488V **Selected Topics in Teacher Education; History of Art Education**

EDCI488V Selected Topics in Teacher Education: History of Art Education; (3 credits) Grade Method: REG/P-F/AUD.

0101	Margaret Walker	Seats (Total: 22)
	Tu 4:15pm - 7:00pm	EDU 1315

EDCI489 **Field Experiences in Education**

EDCI489 *(PermReq)* **Field Experiences in Education; (1-4 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDCI498 **Special Problems in Teacher Education**

EDCI498 *(PermReq)* **Special Problems in Teacher Education; (1-6 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDCI601 **History of Art Education**

EDCI601 History of Art Education; (3 credits) Grade Method: REG/AUD.
An investigation into major historical events and underlying beliefs, values and practices that influence contemporary arts education (visual art, drama, dance, music) at all levels of instruction. Selected literature that focuses on cultural contexts, individuals, institutions, events and national and international perspectives is used to investigate changing conceptions and practices of arts education.

0101	Margaret Walker	Seats (Total: 22)
	Tu 4:15pm - 7:00pm	EDU 1315

EDCI603 **Integrated Art Methods**

EDCI603 Integrated Art Methods; (3 credits) Grade Method: REG/AUD.
Prerequisite: EDCI680; or EDCI405. Restriction: Must be in a major within EDUC-Teaching, Learning, Policy and Leadership department. Credit only granted for: EDCI423, EDCI603, or EDCI688D. Formerly: EDCI688D. Builds upon the pedagogical foundation of an initial art education methods course and provides future art teachers with the means for developing PreK-12 art lesson/unit plans for a balanced qualitative art program for today's diverse and inclusive schools/classrooms. Integratin g art with other subject areas.

IHP1	Susan Hendricks **Meets August 29, 2012 - December 21, 2012** Tu 9:00am - 12:00pm *MCERT SECONDARY Outreach Offering. Departmental permission required. Contact Diane James at djames1@umd.edu.*	Seats (Total: 15) Location: TBA

EDCI611 **Studying Student Learning in Diverse Settings**

EDCI611 *(PermReq)* **Studying Student Learning in Diverse Settings; (3 credits)** Grade Method: REG/AUD.
This course deepens teacher understanding of student development and the cultural context for teaching through readings and focused field studies. Participants will also begin developing skills needed for investigations using methods of interpretive inquiry.

IHP1	Tamyka Morant **Meets August 29, 2012 - December 21, 2012** Tu 9:00am - 12:00pm *EDCI MCERT Elementary Education Program. Course location: Shady Grove. Department permission required. Contact Diane James at djames1@umd.edu.*	Seats (Total: 25) Location: TBA
IHP2	Roderick Carey, Linda Krakaur **Meets August 29, 2012 - December 21, 2012** Th 5:30pm - 8:30pm *EDCI MCERT Secondary Education program. Contact Diane James at djames1@umd.edu for permission.*	Seats (Total: 30) Location: TBA

EDCI618 **Proseminar for Teaching Internship**

EDCI618 Proseminar for Teaching Internship; (1-3 credits) Grade Method: REG/AUD.

IHP1	Jo Smallwood	Seats (Total: 18)
	Meets August 29, 2012 - November 11, 2012	
	Tu 1:30pm - 4:30pm	BLD3 3206
	TBA	BLD3 3206
	CITE Program. Shady Grove. Departmental Permission Required - contact djames1@umd.edu.	

EDCI627 **Secondary Social Studies Pedagogy**

EDCI627 Secondary Social Studies Pedagogy; (3 credits) Grade Method: REG/AUD.
Prerequisite: EDCI426; or EDCI680. Credit only granted for: EDCI627 or EDCI788Y. Formerly: EDCI788Y. The second course in a three-course teaching methods sequence. Addresses two key questions: (1) How do secondary school students think about and learn history/social studies? (2) How can secondary teachers teach history/social studies in ways that promote student learning?

IHP1	Catherine McCall	Seats (Total: 15)
	Meets August 29, 2012 - December 21, 2012	
	Tu 5:30pm - 8:30pm	Location: TBA
	EDCI Outreach Secondary MCERT. Departmental Permission Required.	

EDCI630 **Foundations of Second Language Education: Legal, Social and Historical Trends and Issues**

EDCI630 Foundations of Second Language Education: Legal, Social and Historical Trends and Issues; (3 credits) Grade Method: REG/AUD.
Knowledge of history, research, current practice and public policy issues in the field of second languague education from kindergarten to post-secondary settings. Required for TESOL certification program. This course will be taught online.

0101	Jeff MacSwan	Seats (Total: 20)
	Class time/details on ELMs	ONLINE

EDCI631 **Student Assessment in the Second Language Classroom**

EDCI631 Student Assessment in the Second Language Classroom; (3 credits) Grade Method: REG/AUD.
Analysis of standardized and teacher-made FL/ESL tests; emphasis on principles of FL/ESL test construction. Field testing of commercial and teacher-made materials.

IHP1	Margaret Malone **Meets August 29, 2012 - December 21, 2012** Th 5:00pm - 7:45pm	Seats (Total: 30) Location: TBA
	Outreach offering for MCERT Secondary Education Program. Prerequisite: Permission of department. Contact Diane James at djames1@umd.edu.	

EDCI633 **Teaching for Cross Cultural Communication**

EDCI633 Teaching for Cross Cultural Communication; (3 credits) Grade Method: REG/AUD.
Theories of intercultural communication and techniques for applying them in the teaching of English as a second language (ESL) and content classes. Research and evaluation of selected aspects of a culture as basis for creating, selecting and using culturally-responsive teaching materials and methods. This course will be taught online.

0101	Kellie Rolstad Class time/details on ELMs	Seats (Total: 20) ONLINE
IHP1	Kellie Rolstad **Meets August 29, 2012 - December 11, 2012** Class time/details on ELMs	Seats (Total: 3) ONLINE
	EDCI Outreach Offering TESOL. Department permission required.	

EDCI634 **Methods of Teaching ESOL**

EDCI634 Methods of Teaching ESOL; (3 credits) Grade Method: REG/AUD.
This course presents a survey of the historical and current approaches, methods, and techniques of teaching English to speakers of other languages, from grammar to translation to audiolingual and communicative approaches. Additionally, successful classroom practices that address the needs of culturally diverse and language minority students will be analyzed. Hybrid Format

0101	Roberta Lavine W 5:00pm - 7:45pm	Seats (Total: 23) JMZ 2207

EDCI635 **English Grammar for Teachers of English to Speakers of Other Languages**

EDCI635 *(PermReq)* **English Grammar for Teachers of English to Speakers of Other Languages; (3 credits)** Grade Method: REG/AUD.
Restriction: Permission of EDUC-Teaching, Learning, Policy and Leadership department. English grammar and methods of teaching grammar for graduate, prospective and current teachers of English to speakers of other languages. Analysis of the major grammatical structures of American English. Discussion of the role of teaching grammar, and effective classroom methods and techniques for the English as a second/foreign language classroom.

0101	Denis Sullivan Tu 5:00pm - 7:45pm	Seats (Total: 25) SQH 1107

EDCI636 **Teaching ESOL Reading and Writing in the Elementary Classroom Areas**

EDCI636 *(PermReq)* **Teaching ESOL Reading and Writing in the Elementary Classroom Areas; (3 credits)** Grade Method: REG/AUD.
Prerequisite: EDCI634. Analysis of elementary school classroom culture, social contexts, and instructional strategies which foster language development in elementary school content areas.

0101	Megan Peercy Tu 5:00pm - 7:45pm	Seats (Total: 15) Location: TBA
IHP1	Megan Peercy **Meets August 29, 2012 - December 21, 2012** Tu 5:00pm - 7:45pm *EDCI Outreach Secondary MCERT. Departmental permission required. Section will meet at Laurel College Center.*	Seats (Total: 30) Location: TBA

EDCI640 **Trends in Secondary School Curriculum: English**

EDCI640 Trends in Secondary School Curriculum: English; (3 credits) Grade Method: REG/AUD.
Recent developments in educational thinking and practice on the curriculum in English education.

IHP1	Kathleen Travers	Seats (Total: 25)
	Meets August 29, 2012 - December 14, 2012	
	Tu 5:30pm - 8:30pm	Location: TBA
	EDCI Outreach Secondary MCERT. Departmental permission required.	

EDCI650 **Trends in Mathematics Education**

EDCI650 Trends in Mathematics Education; (3 credits) Grade Method: REG.
Recent developments in educational thinking and practice which have affected the curriculum in mathematics.

0101	Patricia Campbell	Seats (Total: 25)
	Contact instructor or department for details.	
	Please contact instructor for details prior to registering.	
IHP1	Patricia Campbell	Seats (Total: 20)
	Meets August 29, 2012 - December 13, 2012	
	W 4:30pm - 7:30pm	Location: TBA
	Department permission required; BPO at section level.	

EDCI651 **Teaching and Learning Mathematics in Secondary Schools**

EDCI651 Teaching and Learning Mathematics in Secondary Schools; (3 credits) Grade Method: REG/AUD.
Prerequisite: Enrollment in a University of Maryland program leading to teacher certification; and Bachelor's degree in mathematics or related field; and 2 semesters of calculus. Objectives, selection and organization of subject matter, appropriate methods, lesson plans, textbooks, technology and other instructional materials; assessment of student learning and other topics pertinent to secondary mathematics education. Internship of other placement in a secondary mathematics classroom is required. Prerequisite: Permission of department. EDCI MSMART Program. Contact Dian James at djames1@umd.edu.

IHP1	Andrew Brantlinger **Meets August 29, 2012 - December 21, 2012** Tu 5:30pm - 8:30pm *EDCI Outreach Secondary MCERT. Departmental permission required.*	Seats (Total: 25) Location: TBA

EDCI652 **Teaching and Learning Mathematics in the Elementary School**

EDCI652 Teaching and Learning Mathematics in the Elementary School; (3 credits) Grade Method: REG.
Prerequisite: MATH212, MATH213, or MATH214; or students who have taken courses with similar or comparable course content may contact the department. Strategies and methodologies for the teaching of elementary school mathematics based on current research and theories about how children learn mathematics. Attention is given to professional recommendations and teaching practices that foster communication, reasoning, and reflection in the mathematics classroom. Internship or other placement in an elementary school is required.

IHP1	Ann Edwards **Meets September 4, 2012 - December 4, 2012** Tu 1:30pm - 4:30pm Class time/details on ELMs *CITE Program. Shady Grove. Departmental Permission Required. Contact Diane James at djames1@umd.edu.*	Seats (Total: 25) Location: TBA ONLINE
IHP2	Gail Kaplan-Wassell **Meets August 29, 2012 - December 21, 2012** M 1:00pm - 4:00pm *MCERT Program. Shady Grove. Department permission required. Contact Diane James at djames1@umd.edu.*	Seats (Total: 20) Location: TBA

EDCI660 **Foundations of Reading**

EDCI660 *(PermReq)* **Foundations of Reading; (3 credits)** Grade Method: REG/AUD.
Prerequisite: EDCI362; or EDCI463; or students who have taken courses with similar or comparable course content may contact the department. Broad and comprehensive overview of reading and literacy and factors that may influence effective reading practices such as instruction, classroom environment and individual differences. Focus on different knowledge domains and traditions of inquiry related to reading and reading instruction.

0101	Mariam Dreher M 4:15pm - 7:00pm	Seats (Total: 15) EDU 3236
IHP1	Peter Afflerbach Tu 4:30pm - 7:15pm	Seats (Total: 15) Location: TBA
	TLPL/EDCI Outreach Offering for Reading Specialist Cohort.	

EDCI661 **Content Area Reading**

EDCI661 *(PermReq)* **Content Area Reading; (3 credits)** Grade Method: REG/AUD.
Prerequisite: EDCI362; or EDCI463; or students who have taken courses with similar or comparable course content may contact the department. Research-based strategies for improving reading to learn in the content areas (K-12).

0101	Ying Alice Zhang Tu 5:00pm - 7:45pm	Seats (Total: 20) EDU 0206
IHP1	Ying Alice Zhang **Meets August 29, 2012 - December 13, 2012** Contact instructor or department for details.	Seats (Total: 15)
	TLPL/EDCI Chinese Language Teacher Certification and Development Progra Outreach Offering. Department permission required.	

EDCI663 **Understanding, Evaluating and Using Research in School Reading Programs**

EDCI663 *(PermReq)* **Understanding, Evaluating and Using Research in School Reading Programs; (3 credits)** Grade Method: REG/AUD.
Prerequisite: EDCI660. Focus on understanding, critiquing, and applying reading/literacy research; reviewing research to improve practice; analyzing data at the district, school, classroom, and student levels to improve reading instruction.

0101	Mariam Dreher Tu 4:30pm - 7:15pm	Seats (Total: 15) Location: TBA
IHP1	Mariam Dreher Tu 4:30pm - 7:15pm *TLPL/EDCI Outreach Offering for Reading Specialist Cohort.*	Seats (Total: 15) Location: TBA

EDCI664 **Clinical Assessment in Reading**

EDCI664 Clinical Assessment in Reading; (3 credits) Grade Method: REG/AUD. *Prerequisite: EDCI661 and EDCI663; or permission of EDUC-Teaching, Learning, Policy and Leadership department.* Clinical diagnostic techniques and materials for assessing reading strengths and needs.

0101	Rose Codling Tu 4:15pm - 7:00pm	Seats (Total: 20) EDU 2212A

EDCI670 **Trends in School Curriculum: Science**

EDCI670 Trends in School Curriculum: Science; (3 credits) Grade Method: REG/AUD.
Recent developments in educational thinking and practice on the curriculum in science education.

0101	Andrew Elby M 4:15pm - 7:00pm	Seats (Total: 20) EDU 2212

EDCI671 **Teaching Science in Elementary Schools**

EDCI671 Teaching Science in Elementary Schools; (3 credits) Grade Method: REG/AUD.
Identification of problems in teaching science. Methods for improving the effectiveness of science education.

IHP1	Daniel Levin **Meets August 29, 2012 - December 21, 2012** Tu 1:00pm - 4:00pm *MCERT ELEM Outreach Offering. Departmental permission required.*	Seats (Total: 25) Location: TBA

EDCI675 **Learning to Teach and Learn Science**

EDCI675 Learning to Teach and Learn Science; (3 credits) Grade Method: REG/AUD.
Prerequisite: EDCI411; or permission of EDUC-Teaching, Learning, Policy and Leadership department. Restriction: Must be in the Maryland Master's Certification program; or permission of EDUC-Teaching, Learning, Policy and Leadership department. Credit only granted for: EDCI675 or EDCI788V. Formerly: EDCI788V.
Developing practices of instruction in science teaching in the context of understanding student science learning.

IHP1	Daniel Levin	Seats (Total: 25)
	Meets August 29, 2012 - December 21, 2012	
	M 5:30pm - 8:30pm	Location: TBA
	Prerequisite: Permission of department. EDCI MSMART Program. Contact Diane James at djames1@umd.edu.	

EDCI682 **Proseminar in Professional Development**

EDCI682 Proseminar in Professional Development; (3 credits) Grade Method: REG/AUD.
Introduction to professional development for human service profession. Survey of professional and research literature; analysis of allied fields.

0101	David Imig	Seats (Total: 15)
	Th 4:15pm - 7:00pm	EDU 3233

EDCI688A **Special Topics in Curriculum and Instruction; Advanced K-12 Foreign Language Methods and Technology**

EDCI688A Special Topics in Curriculum and Instruction: Advanced K-12 Foreign Language Methods and Technology; (1-3 credits) Grade Method: REG/AUD.

0101	Kayra Alvarado	Seats (Total: 5)
	Contact instructor or department for details.	

EDCI688E **Special Topics in Curriculum and Instruction**
Contact department for information to register for this course.

EDCI688J **Special Topics in Curriculum and Instruction; Adolescent Learning and Development**

EDCI688J Special Topics in Curriculum and Instruction: Adolescent Learning and Development; (1-3 credits) Grade Method: REG/AUD.

IHP1	Maria Hyler	Seats (Total: 20)
	Contact instructor or department for details.	
	Prerequisite: permission of department. EDCI MSMaRT Program. Contact Diane James at djames1@umd.edu.	

EDCI688K **Special Topics in Curriculum and Instruction; Methods I: K-12 Foreign Language Methods and Technology**

EDCI688K Special Topics in Curriculum and Instruction: Methods I: K-12 Foreign Language Methods and Technology; (1-3 credits) Grade Method: REG/AUD.

0101	Ali Selvi	Seats (Total: 5)
	MW 3:00pm - 4:15pm	EDU 2212

EDCI688P **Special Topics in Curriculum and Instruction; Equity in Mathematics Education**

EDCI688P Special Topics in Curriculum and Instruction: Equity in Mathematics Education; (1-3 credits) Grade Method: REG/AUD.

IHP1	Rodrigo Gutierrez	Seats (Total: 30)
	Meets August 29, 2012 - December 13, 2012	
	Th 5:00pm - 8:00pm	Location: TBA
	EDCI/TLPL EME Math outreach offering.	

EDCI689 **Teaching Internship**

EDCI689 Teaching Internship; (1-9 credits) Grade Method: REG/AUD.

0101	Rose Codling	Seats (Total: 5)
	Contact instructor or department for details.	

CE01	Karen Rehder **Meets August 29, 2012 - December 21, 2012** Contact instructor or department for details. *EDCI Outreach MCERT. Department permission required.*	Seats (Total: 25)
CE02	Susan Hendricks **Meets August 29, 2012 - December 21, 2012** Contact instructor or department for details. *EDCI Outreach Secondary MCERT-ART. Departmental permission required.*	Seats (Total: 25)
CE03	Peggy Wilson **Meets August 29, 2012 - December 21, 2012** Contact instructor or department for details. *EDCI Outreach Secondary MCERT-ENGLISH. Departmental permission required*	Seats (Total: 25)
CE04	Perla Blejer **Meets August 29, 2012 - December 21, 2012** Contact instructor or department for details. *EDCI Outreach Secondary MCERT-FOREIGN LANGUAGE. Departmental permission required.*	Seats (Total: 25)
CE05	John Seelke **Meets August 29, 2012 - December 21, 2012** Contact instructor or department for details. *EDCI Outreach Secondary MCERT - MATH. Departmental permission required.*	Seats (Total: 25)
CE06	Stacy Pritchett **Meets August 29, 2012 - December 21, 2012** Contact instructor or department for details. *EDCI Outreach Secondary MCERT-SCIENCE. Departmental permission required*	Seats (Total: 25)

CE07	Catherine McCall **Meets August 29, 2012 - December 21, 2012** Contact instructor or department for details. *EDCI Outreach Secondary MCERT-SOCIAL STUDIES. Departmental permission required.*	Seats (Total: 25)
CE08	Ali Selvi **Meets August 29, 2012 - December 21, 2012** Contact instructor or department for details. *EDCI Outreach Secondary MCERT-TESOL. Departmental permission required.*	Seats (Total: 25)
CE09	Daniel Levin **Meets August 29, 2012 - December 21, 2012** Contact instructor or department for details. *MCERT Outreach Offering. Department permission required.*	Seats (Total: 15)
IS11	Ebony Shockley **Meets August 30, 2012 - December 6, 2012** Th 5:30pm - 8:30pm *Department permission required, BPO at section level.*	Seats (Total: 15) Location: TBA

EDCI691 **Models of Teaching: Theories and Applications**

EDCI691 *(PermReq)* **Models of Teaching: Theories and Applications; (3 credits)**
Grade Method: REG/AUD.
Restriction: Permission of EDUC-Teaching, Learning, Policy and Leadership department. Theory and research on teaching as applied to models of instruction. Practice in developing an initial repertoire of teaching models and in providing thoughtful critique of teaching based on these models.

IHP1	Jo Smallwood **Meets August 29, 2012 - November 28, 2012** W 4:30pm - 7:30pm *TLPL/EDCI CITE Outreach Offering. Department permission required.*	Seats (Total: 20) Location: TBA

EDCI697 **Embracing Diversity in Classroom Communities**

EDCI697 Embracing Diversity in Classroom Communities; (3 credits) Grade Method: REG/AUD.
03 semester hours. The course aims to help students understand race, class, gender, and sexuality as systems of privilege, exclusion, marginalization, and the centrality of embracing diversity in the classroom communities to promote the success of all students.

0101	Saroja Barnes Tu 4:15pm - 7:00pm	Seats (Total: 25) EDU 2101

EDCI698 **Conducting Research on Teaching**

EDCI698 *(PermReq)* **Conducting Research on Teaching; (1-3 credits)** Grade Method: REG.

0101	Linda Valli Tu 4:30pm - 7:15pm *Department permission required.*	Seats (Total: 25) EDU 3315
IHP1	Ann Schweighofer **Meets September 13, 2012 - December 21, 2012** Contact instructor or department for details. *EDCI Outreach Secondary MCERT. Departmental permission required.*	Seats (Total: 25)
IHP2	Kathleen Travers **Meets August 29, 2012 - December 21, 2012** Sa 9:00am - 1:00pm *EDCI Outreach Secondary MCERT. Departmental permission required.*	Seats (Total: 20) BLD3 3242
IHP3	James McGinnis **Meets August 29, 2012 - December 21, 2012** Sa 9:00am - 1:00pm *EDCI Outreach Secondary MCERT. Departmental permission required.*	Seats (Total: 20) Location: TBA

IHP4	Saroja Barnes **Meets August 29, 2012 - December 21, 2012** Sa 9:00am - 1:00pm *EDCI Outreach Secondary MCERT. Departmental permission required.*	Seats (Total: 20) Location: TBA
IHP5	Summer Clark **Meets August 29, 2012 - December 21, 2012** Sa 9:00am - 1:00pm *EDCI Outreach Secondary MCERT. Departmental permission required.*	Seats (Total: 20) Location: TBA
IHP8	Hollie Young, Kara Trenkamp **Meets August 29, 2012 - December 13, 2012** Class time/details on ELMs *EDCI MATH Outreach Offering. Department permission required.*	Seats (Total: 25) ONLINE

EDCI732 **Second Language Acquisition**

EDCI732 *(PermReq)* **Second Language Acquisition; (3 credits)** Grade Method: REG/AUD.
Restriction: Permission of EDUC-Teaching, Learning, Policy and Leadership department. Major theoretical approaches to second language acquisition. For teaching English to speakers of other languages (TESOL). MCERT SECONDARY Outreach Offering. Departmental permission required.

0201	Kellie Rolstad Th 5:00pm - 7:45pm	Seats (Total: 25) TWS 0205
IHP1	Kellie Rolstad **Meets August 29, 2012 - December 11, 2012** Contact instructor or department for details. *EDCI TESOL Outreach Offering for CHINTEED Students. Department permission required.*	Seats (Total: 5)

EDCI753 **Foundations of Mathematics Education III: Curriculum**

EDCI753 Foundations of Mathematics Education III: Curriculum; (3 credits) Grade Method: REG/AUD.
Prerequisite: Admitted to Mathematics Education Doctoral Program; or permission of EDUC-Teaching, Learning, Policy and Leadership department. The study of curriculum in mathematics and research on curriculum. The relationship of mathematics and school mathematics; the forms, purposes,development, and evaluation of mathematics curricula.

0101	Daniel Chazan M 4:30pm - 7:15pm	Seats (Total: 20) EDU 2121

EDCI758 **Research Seminar in Mathematics Education**

EDCI758 Research Seminar in Mathematics Education; (1 credit) Grade Method: REG/AUD.

0101	Daniel Chazan Contact instructor or department for details.	Seats (Total: 12)

EDCI763 **Reading, Cognition, and Instruction: Reading in the Content Areas I**

EDCI763 Reading, Cognition, and Instruction: Reading in the Content Areas I; (3 credits) Grade Method: REG.
Provide secondary education students with an understanding of the interactive nature of the reading process, the use of search based instructional strategies, the relationship between vocabulary development and student concept development, the design of strategic reading instruction, the methods for assessing content area literacy, and the ability to plan instruction and communicate with students, parents, and allied professionals.

0101	Ayanna Baccus Contact instructor or department for details.	Seats (Total: 10)
IHP1	Ayanna Baccus **Meets August 29, 2012 - December 21, 2012** Class time/details on ELMs *EDCI Outreach Secondary MCERT. Departmental permission required.*	Seats (Total: 28) ONLINE

IHP2	Ayanna Baccus **Meets August 29, 2012 - December 12, 2012** Contact instructor or department for details. *TLPL/EDCI MCERT Outreach Offering.*	Seats (Total: 25)

EDCI780 **Theory and Research on Teaching**

EDCI780 Theory and Research on Teaching; (3 credits) Grade Method: REG/AUD. Analysis of the interactive process of instruction; preschool through higher education in school and non-school settings; future directions and needed research.

0101	Maria Hyler Th 4:15pm - 7:00pm	Seats (Total: 35) EDU 2212

EDCI786 **Black and Latino Education: History and Policy**

EDCI786 Black and Latino Education: History and Policy; (3 credits) Grade Method: REG/AUD.
Recommended: EDCI776; and Completion of EDSP611 recommended. Examination of the historical legacies and contemporary policies that have contributed to the educational status (K-20) of Blacks and Latinos in the United States from the 19th century to the present. Issues surrounding language, immigration, racism, social class, and state and federal policies will also be analyzed.

0101	Victoria MacDonald M 4:15pm - 7:00pm	Seats (Total: 20) EDU 0114

EDCI788 **Selected Topics in Teacher Education; Selected Topics in Teacher Education**

EDCI788 Selected Topics in Teacher Education: Selected Topics in Teacher Education; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDCI788A **Selected Topics in Teacher Education; Seminar in Mixed Methods: Analysis of Teaching Quality**

EDCI788A Selected Topics in Teacher Education: Seminar in Mixed Methods: Analysis of Teaching Quality; (3 credits) Grade Method: REG/AUD.
Also offered as EDPS788A. Credit will be granted for one of the following: EDCI788A or EDPS788A. Click here for more course information.

0101	Robert Croninger, Linda Valli	Seats (Total: 25)
	W 4:15pm - 7:00pm	EDU 2212

EDCI788B **Selected Topics in Teacher Education; Contemporary Reading in Urban Education**

EDCI788B Selected Topics in Teacher Education: Contemporary Reading in Urban Education; (1 credit) Grade Method: REG/AUD.

0101	Victoria MacDonald	Seats (Total: 15)
	Contact instructor or department for details.	

EDCI788E **Selected Topics in Teacher Education; Research Seminar in Urban Education**

EDCI788E Selected Topics in Teacher Education: Research Seminar in Urban Education; (1 credit) Grade Method: REG/AUD.

0101	Victoria MacDonald	Seats (Total: 15)
	Contact instructor or department for details.	

EDCI788X **Selected Topics in Teacher Education**

EDCI788X Selected Topics in Teacher Education; (1-3 credits) Grade Method: REG/AUD.

IHP1	Wayne Slater	Seats (Total: 20)
	Meets August 29, 2012 - December 11, 2012	
	Tu 5:00pm - 7:45pm	Location: TBA
	TLPL/EDCI Outreach Offering for Literacy Special Education Program. Department permission required to register.	

EDCI788Y **Selected Topics in Teacher Education; Teaching Narrative**

EDCI788Y Selected Topics in Teacher Education: Teaching Narrative; (1-3 credits) Grade Method: REG.
Application of theory and research on narrative as related to instruction. Storytelling, traditional tales, and digital technologies in educational practices. Develop curricular materials. Potential to work with the current undergraduate class.

0101	Joseph McCaleb	Seats (Total: 20)
	Tu 9:30am - 10:45am	Location: TBA
	This class will be taught partially online.	

EDCI791 **Qualitative Research I: Design and Fieldwork**

EDCI791 *(PermReq)* **Qualitative Research I: Design and Fieldwork; (3 credits)** Grade Method: REG/AUD.
Prerequisite: EDCI790. Formerly: EDCI684. Builds on EDCI790 to examine in more depth the theoretical and epistemological moorings of different types of qualitative research. Students apply selected field research methods to problems of professional practice in schools and communities while considering central issues and dilemmas that arise while engaging in fieldwork.

0101	Jennifer Turner	Seats (Total: 20)
	W 4:30pm - 7:15pm	EDU 3315

EDCI798 **Special Problems in Teacher Education**

EDCI798 *(PermReq)* **Special Problems in Teacher Education; (1-6 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDCI798A **Special Problems in Teacher Education; Revisioning Teacher Education**

EDCI798A Special Problems in Teacher Education: Revisioning Teacher Education; (1-3 credits) Grade Method: REG/AUD.
Prerequisite: permission of instructor. Meets on the 1st Wednesday of each month (September - December, 2012).

0101	Linda Valli, David Imig	Seats (Total: 25)
	W 11:15am - 2:50pm	EDU 2212A

EDCI799 **Master's Thesis Research**

EDCI799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDCI858 **Seminar in Mathematics Education**

EDCI858 Seminar in Mathematics Education; (1-3 credits) Grade Method: REG.

0101	Patricia Campbell	Seats (Total: 10)
	F 11:00am - 1:00pm	EDU 2121
	Contact instructor or department for details.	

EDCI888 **Apprenticeship in Education**

EDCI888 *(PermReq)* **Apprenticeship in Education; (1-8 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDCI888A **Apprenticeship in Education; Application Seminar: Narrowing the Achievement Gap**
Contact department for information to register for this course.

EDCI889 **Internship in Education**

EDCI889 *(PermReq)* **Internship in Education; (3-8 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDCI898 **Pre-Candidacy Research**

EDCI898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDCI899 **Doctoral Dissertation Research**

EDCI899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDCP Education Counseling and Personnel Services Fall 2012

EDCP108B **College and Career Advancement: Concepts and Skills; Reading and Study Skills**

All sections of EDCP 108, except EDCP 108D, 108J and 108R are closed to Seniors. **EDCP108B College and Career Advancement: Concepts and Skills: Reading and Study Skills; (1 credit)** Grade Method: REG/P-F/AUD.

0201	Beverly Greenfeig **Meets August 30, 2012 - December 6, 2012** Th 12:30pm - 1:50pm	Seats (Total: 20) EDU 2101
0301	Beverly Greenfeig **Meets October 24, 2012 - December 7, 2012** W 2:00pm - 3:50pm *Recommended for students who are in academic difficulty at mid-semester*	Seats (Total: 20) KEY 0117
0501	Shirley Browner **Meets August 30, 2012 - December 6, 2012** Th 2:00pm - 3:20pm	Seats (Total: 20) HBK 0103
0601	Shirley Browner **Meets October 22, 2012 - December 12, 2012** M 2:00pm - 3:50pm *Recommended for students who are in academic difficulty at mid-semester*	Seats (Total: 20) EDU 0206

EDCP108C **College and Career Advancement: Concepts and Skills; Choosing a Major**

EDCP108C College and Career Advancement: Concepts and Skills: Choosing a Major; (1 credit) Grade Method: REG.
Recommended for freshman and sophomores needing to choose or clarify an academic major. Juniors by permission of instructors. All sections of EDCP108, except EDCP108D, EDCP108J, and EDCP108R are closed to Seniors.

0101	Dominick Scalise **Meets September 10, 2012 - November 12, 2012** M 3:30pm - 5:20pm	Seats (Total: 20) OAK 0308
0201	Yi-Jiun Lin **Meets September 11, 2012 - November 13, 2012** Tu 10:00am - 11:50am	Seats (Total: 20) HBK 0103

EDCP108G **College and Career Advancement: Concepts and Skills; The Transfer Student in the University**

EDCP108G College and Career Advancement: Concepts and Skills: The Transfer Student in the University; (1 credit) Grade Method: REG/P-F/AUD.

0101	Barbara Goldberg **Meets September 10, 2012 - November 28, 2012** M 2:00pm - 3:30pm	Seats (Total: 22) WDS 1127
0201	Barbara Goldberg **Meets October 25, 2012 - December 13, 2012** Th 12:30pm - 2:30pm	Seats (Total: 25) HBK 0105

EDCP108J **College and Career Advancement: Concepts and Skills; Job Search Strategies**

EDCP108J College and Career Advancement: Concepts and Skills: Job Search Strategies; (1 credit) Grade Method: REG/P-F/AUD.
Prerequisite: Recommended for students with junior standing or above (or sophomores, with permission of Instructor) who are interested in learning about strategies for landing internships full-time employment and being successful in their careers.

0101	Claire Jacobson **Meets September 4, 2012 - November 6, 2012** Tu 2:00pm - 3:15pm	Seats (Total: 25) HBK 3134
0201	Daniel Ostick **Meets August 29, 2012 - November 2, 2012** Th 1:00pm - 2:15pm	Seats (Total: 25) HBK 3134
0301	Kara Kehoe **Meets August 29, 2012 - November 2, 2012** W 10:00am - 11:15am	Seats (Total: 25) HBK 3134
0401	Kara Kehoe **Meets August 29, 2012 - November 2, 2012** W 1:00pm - 2:15pm	Seats (Total: 25) HBK 3134

EDCP108M **College and Career Advancement: Concepts and Skills; Math Study Skills and Building Confidence**

EDCP108M College and Career Advancement: Concepts and Skills: Math Study Skills and Building Confidence; (1 credit) Grade Method: REG/AUD.
Course registration is restricted to freshman and sophomore students. Other students may request enrollment with permission from the instructor and only if seats are available.Once registered, please check your email for information about the first class meeting.

0101	Kimberly Bethea **Meets August 29, 2012 - October 28, 2012** Contact instructor or department for details.	Seats (Total: 35)
0201	Kimberly Bethea **Meets October 22, 2012 - December 11, 2012** Contact instructor or department for details.	Seats (Total: 35)

EDCP108N **College and Career Advancement: Concepts and Skills; Diversity Issues and Academic Strategies for Success**

EDCP108N College and Career Advancement: Concepts and Skills: Diversity Issues and Academic Strategies for Success; (1 credit) Grade Method: REG.

0401	Ronald Zeigler, Solomon Comissiong M 10:00am - 11:00am	Seats (Total: 25) Location: TBA
	Class will meet in the Nyumburu Bldg. (#232), Conference Room 0120.	

EDCP217 **Introduction to Student Leadership**

EDCP217 Introduction to Student Leadership; (3 credits) Grade Method: REG/P-F/AUD.
Restriction: Freshman standing; or Sophomore standing. Credit only granted for: EDCP217 or EDCP317. Formerly: EDCP317. Introduction to leadership theories, concepts, and skills. Completion of personal and leadership self-assessments, values exploration, and small group application. Students must pay a $30 materials fee.

0101	Anna Haller TuTh 12:30pm - 1:45pm	Seats (Total: 25) COL 0101
0201	Austin Gardner, Heather Bradley TuTh 2:00pm - 3:15pm	Seats (Total: 25) COL 0101
0301	Sean Pepin MW 11:00am - 12:15pm	Seats (Total: 25) COL 0113

EDCP220 **Introduction to Human Diversity in Social Institutions**

EDCP220 Introduction to Human Diversity in Social Institutions; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. CORE Diversity (D) Course. GenEd: Diversity - Understanding Plural Societies. This highly-interactive format focuses on individual and social identities in the U.S., group differences and intergroup relations, systems of privilege and oppression, and advocacy for social justice. Topics will include diversity related to race, ethnicity, gender, sexual orientation, social class, (dis)ability, and religion. Course fulfills CORE requirements in diversity, social/behavioral bases, and interdisciplinary study. Some sections restricted. Also offered as AAST298B.

0101	Kevin Hughes TuTh 11:00am - 12:15pm	Seats (Total: 25) EDU 2101
0201	Katherine Ross MW 11:00am - 12:15pm	Seats (Total: 25) EDU 2102
0301	Gloria Huh MW 11:00am - 12:15pm	Seats (Total: 25) SKN 1115

EDCP298 **Special Problems in Counseling and Personnel Services**

EDCP298 Special Problems in Counseling and Personnel Services; (1-3 credits) Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDCP298Z **Special Problems in Counseling and Personnel Services; British Life and Society in a Cross-Cultural Context**

Contact department for information to register for this course.

EDCP310 **Peer Counseling Theory and Skills**

EDCP310 Peer Counseling Theory and Skills; (3 credits) Grade Method: REG. The theories and skills of peer helping relationships. Counseling theories and skills at a level appropriate for students seeking basic level training for use in peer counseling settings.

0101	Alisa Williams TuTh 11:00am - 12:15pm	Seats (Total: 25) SQH 1121
0201	Ijeoma Ezeofor MW 9:30am - 10:45am	Seats (Total: 25) EDU 0206
0301	Benjamin Perlow TuTh 2:00pm - 3:15pm	Seats (Total: 25) EDU 3233
0401	Catherine Sanders TuTh 11:00am - 12:15pm	Seats (Total: 25) EDU 3233

EDCP315 **Student Leadership in Groups and Organizations**

EDCP315 Student Leadership in Groups and Organizations; (3 credits) Grade Method: REG/P-F/AUD.
Recommended: EDCP217. Acquiring and integrating leadership knowledge within group and organizational contexts so that students can navigate organizational environments and apply leadership in diverse communities of practice and career contexts.

0101	Stephanie Chang, Sean Pepin TuTh 11:00am - 12:15pm *Students must pay a $35 materials fee.*	Seats (Total: 25) EGR 0135
0201	Stephanie Chang MW 12:30pm - 1:45pm *Students must pay a $35 materials fee.*	Seats (Total: 25) EDU 1315
0301	Stephanie Chang MW 2:00pm - 3:15pm *Students must pay a $35 materials fee.*	Seats (Total: 25) EDU 2102

EDCP318E **Applied Contextual Leadership; Applied Contextual Leadership: Leadership for Peer Assisted Learning**

EDCP318E *(PermReq)* **Applied Contextual Leadership: Applied Contextual Leadership: Leadership for Peer Assisted Learning; (3 credits)** Grade Method: REG/P-F/AUD.
Open to students participating as peer mentors with the Learning Assistance Service (LAS) of the Counseling Center. Course designed for students selected to participate in the Peer Assisted Learning (PAL) program of LAS. Topics include: listening and communication skills, developing helping relationships, facilitating learning, the role of culture, and ethics. Course also includes lab hours leading peer mentoring sessions of for academic coursework.

0101	Paola Hernandez M 3:30pm - 5:00pm Contact instructor or department for details.	Seats (Total: 20) PLS 1115

EDCP318I **Applied Contextual Leadership; Global Leadership**

EDCP318I *(PermReq)* **Applied Contextual Leadership: Global Leadership; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: Permission of instructor. This course is restricted to students selected to participate in the Chevy Chase Leadership Internship Program.

0101	Negar Ashtari Abay, Daniel Ostick	Seats (Total: 25)
	Tu 5:00pm - 7:00pm	HBK 3134
	Contact instructor or department for details.	

EDCP318J **Applied Contextual Leadership; Leadership and Sports**

EDCP318J Applied Contextual Leadership: Leadership and Sports; (3 credits) Grade Method: REG/P-F/AUD.

0101	Terry Zacker	Seats (Total: 25)
	TuTh 12:30pm - 1:45pm	PLS 1117

EDCP318M **Applied Contextual Leadership; Leadership and Education**

EDCP318M *(PermReq)* **Applied Contextual Leadership: Leadership and Education; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: Permission of instructor. All interested students must go through the America Reads*America Counts application process before registering for the class. Contact instructor for more information.

0101	Alison Barlow, Douglas Welcome	Seats (Total: 25)
	M 12:00pm - 2:00pm	EDU 2101
	Contact instructor or department for details.	

EDCP318N **Applied Contextual Leadership; Leadership in Collaborative Learning Groups**

EDCP318N *(PermReq)* **Applied Contextual Leadership: Leadership in Collaborative Learning Groups; (3 credits)** Grade Method: REG/P-F/AUD.
This course is restricted to students selected to participate in the guided study program through the Counseling Center.

0101	Marcia Marinelli	Seats (Total: 20)
	Tu 2:00pm - 3:15pm	KEY 0124
	Contact instructor or department for details.	

0201	Marcia Marinelli	Seats (Total: 20)
	W 5:00pm - 6:15pm	KEY 0119
	Contact instructor or department for details.	

EDCP318Q **Applied Contextual Leadership; Facilitation and Leadership Skills in Lesbian, Gay, Bisexual, Transgender, Queer, or Ally Organizations**

EDCP318Q *(PermReq)* **Applied Contextual Leadership: Facilitation and Leadership Skills in Lesbian, Gay, Bisexual, Transgender, Queer, or Ally Organizations; (3 credits)** Grade Method: REG/P-F/AUD. GenEd: Diversity - Understanding Plural Societies.
Prerequisite: Permission of Instructor. Interested students must be facilitators within an LGBTQA organization or program, and must prepare, organize, execute, and assess a weekly small group discussion. Or, student must have an equivalent leadership project agreed upon with instructor . Students will hone skills in a wide range of areas, including facilitation, interpersonal communication, organization building, and organizing for social change. Students will apply evidence-based leadership practices in an LGBTQA organizational context, and will be expected to analyze their learning and demonstrate growth. Contact Nicholas Sakurai (sakurai@umd.edu) for more information. Also offered as LGBT398Q.

0101	Nick Sakurai	Seats (Total: 10)
	Tu 3:30pm - 5:10pm	WDS 1127
	Contact instructor or department for details.	

EDCP318R **Applied Contextual Leadership; Foundations and Applications of Challenge Course Theory and Instruction**

EDCP318R *(PermReq)* **Applied Contextual Leadership: Foundations and Applications of Challenge Course Theory and Instruction; (3 credits)** Grade Method: REG/P-F/AUD.
Permission of Instructor. Required course to become a Challenge Course Facilitator for the Outdoor Recreation Center. Contact Mike Phaneuf (mp haneuf@umd.edu) to arrange an interview. This is a leadership course fo cusing on Challenge Course technical skills, experiential theory, and gr oup dynamics. Student selection is based on previous leadership experie nce and leadership potential.

0101	Michael Phaneuf	Seats (Total: 20)
	W 6:00pm - 9:00pm	Location: TBA

EDCP318T **Applied Contextual Leadership; Foundations and Applications of Adventure Leadership Instruction**

EDCP318T *(PermReq)* **Applied Contextual Leadership: Foundations and Applications of Adventure Leadership Instruction; (3 credits)** Grade Method: REG/P-F/AUD.
Permission of the instructor. Required course to become an Adventure Trip Leader for the Outdoor Recreation Center. Contact Mike Doyle to arrange an interview: mkdoyle@umd.edu. This is a leadership training course for potential Adventure Trip Leaders with the Outdoor Recreation Center. Student selection is based on previous leadership experience, leadership potential, and technical outdoor experience.

0101	Amanda Even	Seats (Total: 20)
	W 6:00pm - 9:00pm	HBK 0108

EDCP386 **Experiential Learning**

EDCP386 *(PermReq)* **Experiential Learning; (3 credits)** Grade Method: REG.
Individual Instruction course: contact department or instructor to obtain section number.
Restriction: Permission of EDUC-Counseling, Higher Education and Special Education department; and Junior standing or higher. Special EDCP form required.

Contact department for information to register for this course.

EDCP417 **Advanced Leadership Seminar**

EDCP417 *(PermReq)* **Advanced Leadership Seminar; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: EDCP217; or students who have taken courses with similar or comparable course content may contact the department. Restriction: Permission of EDUC-Counseling, Higher Education and Special Education department. Students will analyze and synthesize the concept of leadership using cultural, ethical, sociological, historical perspectives. Exploration and reflection of personal values, decision making, in-depth analysis on various leadership activities. Theories will be emphasized.

0101	Daniel Ostick	Seats (Total: 20)
	F 9:00am - 11:45am	EDU 2119

EDCP418A **Special Topics in Leadership; Asian American Leadership**

EDCP418A Special Topics in Leadership: Asian American Leadership; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Diversity - Cultural Competency. Also offered as AAST498I. Credit will be granted for one of the following: AAST498I or EDCP418A.

0101	Hannah Wu, Joann Prosser TuTh 11:00am - 12:15pm	Seats (Total: 25) PLS 1168

EDCP418D **Special Topics in Leadership; Leadership and Ethnicity**

EDCP418D Special Topics in Leadership: Leadership and Ethnicity; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Diversity - Cultural Competency.

0101	Brandon Dula TuTh 2:00pm - 3:15pm	Seats (Total: 25) EDU 2101

EDCP418F **Special Topics in Leadership; Jewish Leadership**

EDCP418F Special Topics in Leadership: Jewish Leadership; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Diversity - Cultural Competency.

0101	Ari Israel Th 2:00pm - 4:45pm	Seats (Total: 30) JMZ 0205

EDCP489 **Field Experiences in Counseling and Personnel Services**

EDCP489 *(PermReq)* **Field Experiences in Counseling and Personnel Services; (1-4 credits)** Grade Method: REG. GenEd: Diversity - Understanding Plural Societies. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDCP498 **Special Problems in Counseling and Personnel Services**

EDCP498 *(PermReq)* **Special Problems in Counseling and Personnel Services; (1-3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDCP499A **Workshops, Clinics, Institutes; Transitioning to Careers in the Global Workforce**

EDCP499A Workshops, Clinics, Institutes: Transitioning to Careers in the Global Workforce; (2 credits) Grade Method: REG.
Restricted to Juniors and Seniors only.

0101	Linda Gast Tu 1:00pm - 2:50pm	Seats (Total: 20) KEY 0117
0201	Linda Gast Tu 10:00am - 11:50am	Seats (Total: 20) KEY 0117

EDCP499L **Workshops, Clinics, Institutes; Preparation to Lead Relationship Skills Workshops**

EDCP499L *(PermReq)* **Workshops, Clinics, Institutes: Preparation to Lead Relationship Skills Workshops; (3 credits)** Grade Method: REG/P-F/AUD.

0201	Patricia Mielke Contact instructor or department for details.	Seats (Total: 25)

EDCP610 **Professional Orientation**

EDCP610 Professional Orientation; (3 credits) Grade Method: REG/AUD.
Survey of knowledge base and practices in counseling and personnel services specializations, professional ethics, credentialling relevant legislation, current issues.
For Student Affairs students only.

0101	Michelle Espino W 1:00pm - 3:45pm *Limited to Student Affairs graduate students.*	Seats (Total: 20) PLS 1111
0201	Vivian Lee M 7:00pm - 9:45pm *Limited to School Counseling Students.*	Seats (Total: 20) EDU 0202

EDCP616 **Counseling II: Theory and Practice**

EDCP616 Counseling II: Theory and Practice; (3 credits) Grade Method: REG/AUD.
Corequisite: Concurrently enrolled in EDCP618. Counseling theories and the practices which stem from such theories. For EDCP majors only.

0101	Paul Gold Tu 4:15pm - 7:00pm *Limited to Students in the Masters Program.*	Seats (Total: 40) EDU 0212

EDCP618 **Counseling Skills: Introduction to Practicum**

EDCP618 Counseling Skills: Introduction to Practicum; (1 credit) Grade Method: REG.

0101	Mary Ann Hoffman Tu 7:00pm - 9:00pm	Seats (Total: 10) EDU 3233
0201	Mary Ann Hoffman Tu 7:00pm - 9:00pm	Seats (Total: 10) EDU 3236

EDCP640 **School Psychology Seminar: Overview of the Specialty**

EDCP640 School Psychology Seminar: Overview of the Specialty; (1-2 credits) Grade Method: REG/AUD.
Restriction: Must be in the School Psychology program; or permission of instructor. Overviews the specialty of school psychology, including history of the specialty, roles and functions of school psychologists, and current professional issues related to the specialty.

0101	William Strein Tu 10:00am - 11:30am	Seats (Total: 10) EDU 2102

EDCP641 **School Psychology Seminar: Professional Ethics**

EDCP641 School Psychology Seminar: Professional Ethics; (1-2 credits) Grade Method: REG/AUD.
Restriction: Must be in the School Psychology program; or permission of instructor. Overviews ethical issues in the specialty of school psychology.

0101	William Strein M 5:00pm - 6:15pm	Seats (Total: 5) EDU 1210B

EDCP651 **Group Counseling in Schools**

EDCP651 Group Counseling in Schools; (3 credits) Grade Method: REG/AUD. *Prerequisite: EDCP616; and For school counseling and school psychology students only. Restriction: Permission of instructor.* Issues and techniques of group counseling in schools.

0101	Julia Bryan W 4:15pm - 7:00pm	Seats (Total: 20) EDU 3236

EDCP652 **Research in Counseling**

EDCP652 Research in Counseling; (3 credits) Grade Method: REG/AUD. *Restriction: Must be in the School Counseling program. Credit only granted for: EDCP652 or EDCP789Y. Formerly: EDCP789Y.* An exploration of basic and applied research, program evaluation, and associated measurement and evaluation skills crucial for professional school counselors.

0101	Ellen Fabian M 7:00pm - 9:45pm	Seats (Total: 10) EDU 2101

EDCP665 **Family and Social Support Systems**

EDCP665 Family and Social Support Systems; (3 credits) Grade Method: REG/AUD.
Recommended: EDCP610. Principles and methods useful for understanding the role of family support systems in counseling. Specialized skills for counseling impaired adults and their families.

0101	Courtland Lee M 4:15pm - 7:00pm	Seats (Total: 20) EDU 0202

EDCP682 **Counseling Psychology Didactic Practicum in Group Interventions**

EDCP682 Counseling Psychology Didactic Practicum in Group Interventions; (3 credits) Grade Method: S-F.
Prerequisite: For Counseling Psychology majors only. Also offered as: PSYC682. Formerly: EDCP718. In depth examination of theories and techniques of group interventions; supervised experience in group counseling.

0101	Carole Sebenick	Seats (Total: 10)
	W 10:30am - 1:30pm	SHM 2124

EDCP685 **Counseling Psychology Didactic Practicum in Counseling Supervision**

EDCP685 Counseling Psychology Didactic Practicum in Counseling Supervision; (3 credits) Grade Method: S-F.
Prerequisite: For Counseling Psychology majors only. Also offered as: PSYC685. Formerly: EDCP745. In depth examinatin of theories and techniques of counseling supervision, supervised experience in the process of supervising counselors.

0101	Mary Ann Hoffman	Seats (Total: 10)
	W 9:45am - 12:45pm	Location: TBA

EDCP692 **Assessment in Counseling Psychology I**

EDCP692 Assessment in Counseling Psychology I; (3 credits) Grade Method: REG.
Prerequisite: For Counseling Psychology majors only. Also offered as: PSYC692. Formerly: EDCP789F. Broad introduction to the construction of psychological tests and measures, and experience in test interpretation, with consideration of historical, legal, ethical, and cultural issues surrounding the assessment process. Students must pay a $36.00 materials fee.

0101	Matthew Miller	Seats (Total: 20)
	M 1:00pm - 4:00pm	EDU 3236

EDCP697 **Multicultural Issues in Counseling Psychology**

EDCP697 Multicultural Issues in Counseling Psychology; (3 credits) Grade Method: REG.
Prerequisite: Only open to Counseling Psychology majors. Also offered as: PSYC697. Credit only granted for: EDCP697, EDCP699, or PSYC697. Formerly: EDCP699. Exploration of knowledge, attitudes and skills for providing counseling and psychological services to culturally diverse populations.

0101	Matthew Miller Tu 1:00pm - 4:00pm	Seats (Total: 10) EDU 1210B

EDCP738 **Practicum in Child Assessment**

EDCP738 Practicum in Child Assessment; (3 credits) Grade Method: REG/AUD.

0101	Hedwig Teglasi Th 9:00am - 12:15pm	Seats (Total: 10) Location: TBA

EDCP772 **Research in Student Affairs**

EDCP772 Research in Student Affairs; (3 credits) Grade Method: REG.
Prerequisite: EDCP656; or permission of instructor. Restriction: Must be in the College Student Personnel program. Research designs and approaches to research in student development and higher education. Development of research for research competency or dissertation proposal.

0101	Julie Park W 12:30pm - 3:15pm	Seats (Total: 26) EDU 0206

EDCP775 **Facilitating Student Learning in Higher Education**

EDCP775 Facilitating Student Learning in Higher Education; (3 credits) Grade Method: REG/AUD.
Prerequisite: EDCP771; or permission of EDUC-Counseling, Higher Education and Special Education department. Restriction: Must be in Counseling and Personnel Services (Doctoral) program. Application of selected models of college student development, learning styles, and related models of instruction to the assessment of characteristics and the design of learning environments.

0101	Marybeth Drechsler Sharp Th 1:00pm - 3:45pm	Seats (Total: 10) EDU 0202
PC01	Elizabeth Niehaus Tu 12:00pm - 2:45pm *Open only to the Navy LEAD cohorts.*	Seats (Total: 20) SYM 0209

EDCP776 **Social Justice in Student Affairs and Higher Education**

EDCP776 Social Justice in Student Affairs and Higher Education; (3 credits) Grade Method: REG/AUD.
Prerequisite: EDCP771 or EDCP741; or permission of instructor. Restriction: Limited to college student personnel students only. An exploration of differences, biases, assumptions, limitations, and challenge with diversity in the context of higher education and student affairs. Focusing on issues of inequities with social identity group membership and the systems of power, privilege, and oppression in society.

0101	Julie Park Tu 1:00pm - 3:45pm	Seats (Total: 10) JMZ 1226

EDCP788 **Advanced Practicum**

EDCP788 Advanced Practicum; (1-6 credits) Grade Method: REG/AUD.

0101	Courtland Lee M 1:00pm - 4:00pm	Seats (Total: 11) EDU 1210B
0201	Ellen Fabian Th 4:15pm - 7:00pm	Seats (Total: 15) EDU 1107

EDCP789A **Advanced Topics in Counseling and Personnel Services; Fellowship Seminar**

EDCP789A Advanced Topics in Counseling and Personnel Services: Fellowship Seminar; (1-6 credits) Grade Method: REG/AUD.
Limited to CAPS Doctoral students only.

0101	Gary Gottfredson F 12:00pm - 1:30pm	Seats (Total: 20) EDU 0202

EDCP789B **Advanced Topics in Counseling and Personnel Services; Theories and Methods of Intervention**

EDCP789B Advanced Topics in Counseling and Personnel Services: Theories and Methods of Intervention; (3 credits) Grade Method: REG.

0101	Gary Gottfredson, William Strein W 1:00pm - 3:45pm	Seats (Total: 10) EDU 0202

EDCP789M **Advanced Topics in Counseling and Personnel Services; Multicultural Counseling**

EDCP789M Advanced Topics in Counseling and Personnel Services: Multicultural Counseling; (3 credits) Grade Method: REG/AUD.

0101	Courtland Lee M 1:15pm - 4:00pm	Seats (Total: 5) Location: TBA

EDCP789P **Advanced Topics in Counseling and Personnel Services; Ethics Group**

EDCP789P Advanced Topics in Counseling and Personnel Services: Ethics Group; (3 credits) Grade Method: REG.

PC01	James Campbell Th 8:30am - 11:30am *Open only to the Navy LEAD cohorts. Meets in LUCE111 at the US Naval Academy.*	Seats (Total: 20) Location: TBA

EDCP789Q **Advanced Topics in Counseling and Personnel Services; Developmental Psychopathology**

EDCP789Q Advanced Topics in Counseling and Personnel Services: Developmental Psychopathology; (3 credits) Grade Method: REG/AUD.

0101	Hedwig Teglasi W 9:30am - 12:15pm	Seats (Total: 10) PLS 1164

EDCP789V **Advanced Topics in Counseling and Personnel Services; Nature and History of Command**

EDCP789V Advanced Topics in Counseling and Personnel Services: Nature and History of Command; (3 credits) Grade Method: REG.

PC01	Joseph Thomas W 9:00am - 12:00pm	Seats (Total: 20) Location: TBA
	Open only to Navy LEAD cohorts. Meets in LUCE111 at the US Naval Academy.	

EDCP789X **Advanced Topics in Counseling and Personnel Services; Lifespan Development**

EDCP789X Advanced Topics in Counseling and Personnel Services: Lifespan Development; (3 credits) Grade Method: REG.

0101	Julia Bryan, Jung Kim Th 4:15pm - 7:00pm	Seats (Total: 20) EDU 0212

EDCP798 **Special Problems in Counseling and Personnel Services**

EDCP798 *(PermReq)* **Special Problems in Counseling and Personnel Services; (1-6 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDCP799 **Master's Thesis Research**

EDCP799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDCP870 **Professional Issues Seminar**

EDCP870 Professional Issues Seminar; (3 credits) Grade Method: REG/AUD. *Credit only granted for: EDCP656 or EDCP870. Formerly: EDCP656.* Examination of issues that bear on professional issues such as ethics, inter-professional relationships and research.

0101	Kimberly Griffin Th 4:15pm - 7:00pm	Seats (Total: 10) EDU 2102
	Only open to HESI Doctoral students.	

EDCP871 **Student Affairs Doctoral Capstone Seminar**

EDCP871 Student Affairs Doctoral Capstone Seminar; (3 credits) Grade Method: REG/AUD.
Prerequisite: EDCP870; or permission of instructor. Restriction: Must be in the College Student Personnel program. Credit only granted for: EDCP789I or EDCP871. Formerly: EDCP789I. Broadening perspectives on issues in student affairs and higher education by exploring the multiple roles and responsibilities of campus administrators and faculty members.

0101	Linda Clement, Mary Hummel W 3:45pm - 6:30pm	Seats (Total: 8) MIT 2108

EDCP888 **Apprenticeship in Counseling and Personnel Services**

EDCP888 *(PermReq)* **Apprenticeship in Counseling and Personnel Services; (1-8 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDCP888C **Apprenticeship in Counseling and Personnel Services; School Psychology**

EDCP888C Apprenticeship in Counseling and Personnel Services: School Psychology; (1-8 credits) Grade Method: REG.

0101	William Strein Contact instructor or department for details.	Seats (Total: 15)
0201	Hedwig Teglasi Contact instructor or department for details.	Seats (Total: 15)
0401	Gary Gottfredson Contact instructor or department for details.	Seats (Total: 15)

EDCP888G **Apprenticeship in Counseling and Personnel Services**

EDCP888G Apprenticeship in Counseling and Personnel Services; (1-6 credits) Grade Method: REG/AUD.
Restricted to School Counseling Students only.

0201	Courtland Lee Contact instructor or department for details.	Seats (Total: 10)

EDCP889 **Internship in Counseling and Personnel Services; Internship in Counseling and Personnel Services**

EDCP889 Internship in Counseling and Personnel Services: Internship in Counseling and Personnel Services; (1-8 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDCP898 **Pre-Candidacy Research**

EDCP898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDCP899 **Doctoral Dissertation Research**

EDCP899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDHD Education, Human Development Fall 2012

EDHD210 **Foundations of Early Childhood Education**

EDHD210 *(PermReq)* **Foundations of Early Childhood Education; (3 credits)** Grade Method: REG. CORE Humanities (HO) Course. GenEd: Distributive Studies - History and Social Sciences.
Corequisite: Concurrently enrolled in EDHD220. An overview of historical, philosophical, psychological, and contemporary influences on the field of early childhood education. Intended primarily for students planning to apply to the Early Childhood Education program.

0101	Elisa Klein	Seats (Total: 28)
	M 1:00pm - 3:45pm	EDU 1107

EDHD220 **Exploring Teaching in Early Childhood Education**

EDHD220 *(PermReq)* **Exploring Teaching in Early Childhood Education; (3 credits)** Grade Method: REG. GenEd: Distributive Studies - Scholarship in Practice. *Corequisite: Concurrently enrolled in EDHD210.* Practicum with preschool children at the Center for Young Children, University lab school, and other preschools. Students reflect on personal strengths, identify areas of growth, and examine their predisposition to teach. Intended primarily for students planning to apply to the Early Childhood Education Program. Allow an appropriate amount of time to travel from your on-campus class meetings to your off-campus experience.

0101	Christy Tirrell-Corbin Tu 2:00pm - 4:00pm M 8:00am - 12:00pm	Seats (Total: 5) EDU 2102 Location: TBA	Lab
0102	Christy Tirrell-Corbin Tu 2:00pm - 4:00pm Tu 8:00am - 12:00pm	Seats (Total: 5) EDU 2102 Location: TBA	Lab
0103	Christy Tirrell-Corbin Tu 2:00pm - 4:00pm W 8:00am - 12:00pm	Seats (Total: 5) EDU 2102 Location: TBA	Lab
0104	Christy Tirrell-Corbin Tu 2:00pm - 4:00pm Th 8:00am - 12:00pm	Seats (Total: 5) EDU 2102 Location: TBA	Lab
0105	Christy Tirrell-Corbin Tu 2:00pm - 4:00pm F 8:00am - 12:00pm	Seats (Total: 5) EDU 2102 Location: TBA	Lab

EDHD222 **Literature in the Early Childhood Classroom**

EDHD222 Literature in the Early Childhood Classroom; (3 credits) Grade Method: REG.

Restriction: Must be in Early Childhood Education program. Introduces students to the realm of literature for young children. Through studying, reading, listening to and using books and poems, students develop an understanding about qualities in literature that are meaningful to children.

0101	Susan Keightley W 1:00pm - 3:45pm	Seats (Total: 23) CYC 1213	

EDHD230 **Human Development and Societal Institutions**

EDHD230 Human Development and Societal Institutions; (3 credits) Grade Method: REG/AUD. CORE Behavioral and Social Science (SB) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - History and Social Sciences; Diversity - Understanding Plural Societies.
Development of the individual in the context of relationships with the formal and informal institutions of society. An examination of various aspects of development from the broad perspective of the social sciences.

0101	Sarah Eason TuTh 11:00am - 12:15pm	Seats (Total: 45) EDU 3315
0201	Colleen Morrison MW 2:00pm - 3:15pm	Seats (Total: 45) EDU 3315
0301	Colleen Morrison MW 11:00am - 12:15pm	Seats (Total: 45) ARC 1105

EDHD306 **Research Methods in Human Development**

EDHD306 Research Methods in Human Development; (3 credits) Grade Method: REG. GenEd: Fundamental Studies - Analytic Reasoning.
Addresses the scientific concepts and principles central to the study of human behavior and development. Students will learn about basic research methods in studying human behavior in developmental context and will participate in experiential activities, such as conducting observations and collecting self-report data. Major themes: goals of developmental research, fundamental research designs, types of measurement, elements of good scientific writing, and ethical issues in the study of human development.

0101	Lauren Musu-Gillette TuTh 11:00am - 12:15pm	Seats (Total: 35) EDU 0212
0201	Katherine Muenks MW 11:00am - 12:15pm	Seats (Total: 40) EDU 1121

EDHD315 **Reading in Early Childhood Classroom: Instruction and Materials Part II**

EDHD315 *(PermReq)* **Reading in Early Childhood Classroom: Instruction and Materials Part II; (3 credits)** Grade Method: REG.
Prerequisite: EDHD314. Restriction: Must be in Early Childhood Education program.
This course builds on the theories and teaching strategies of EDHD314. Students will focus on teaching of reading and writing to primary grade students.

0101	Stefanie Kain M 2:00pm - 4:00pm Contact instructor or department for details.	Seats (Total: 32) CYC 1213

EDHD319 **Selected Topics in Human Development**

EDHD319 Selected Topics in Human Development; (3 credits) Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDHD320 **Human Development Through the Life Span**

EDHD320 Human Development Through the Life Span; (3 credits) Grade Method: REG/AUD. GenEd: Distributive Studies - History and Social Sciences.
Central concepts related to parameters of human development, individual and social, which arise throughout the life span. Continuity and change within the developing individual.

0101	Jennie Lee-Kim MW 11:00am - 12:15pm	Seats (Total: 45) JMZ 2206
0201	Jennie Lee-Kim TuTh 12:30pm - 1:45pm	Seats (Total: 45) EDU 0212
0301	Robert Marcus TuTh 11:00am - 12:15pm	Seats (Total: 52) EDU 1107
0401	Amy Ho TuTh 11:00am - 12:15pm	Seats (Total: 45) ASY 3203
0501	Peter Baggetta MW 9:30am - 10:45am	Seats (Total: 45) EDU 2119

EDHD321 **The Young Child as Scientist**

EDHD321 *(PermReq)* **The Young Child as Scientist; (2 credits)** Grade Method: REG.
Prerequisite: EDHD419, EDHD314, EDHD313, EDHD424, and EDSP470. Corequisite: Concurrently enrolled in EDHD323, EDHD322, EDHD315, EDHD435, and EDHD427. Restriction: Must be in Early Childhood Education program; and Senior standing or higher. Provides theoretical and practical knowledge for teaching science in early childhood classrooms. Appropriate teaching strategies and materials of instruction are presented for diverse settings. Includes field experience.

0101	Susan Keightley	Seats (Total: 32)
	M 9:00am - 10:30am	EDU 1107
	Contact instructor or department for details.	

EDHD322 **The Young Child as Mathematician**

EDHD322 *(PermReq)* **The Young Child as Mathematician; (3 credits)** Grade Method: REG.
Prerequisite: EDHD419, EDHD314, EDHD313, EDHD424, and EDSP470. Corequisite: Concurrently enrolled in EDHD323, EDHD322, EDHD315, EDHD435, and EDHD427. Restriction: Must be in Early Childhood Education program; and Senior standing or higher. Engages early childhood education majors in mathematics as a creative process and dynamic way of thinking. Throughout this process students will acquire the pedagogical knowledge important to teaching mathematics in grades pre-K through 3. Includes field experience.

0101	Geetha Ramani	Seats (Total: 32)
	W 10:30am - 12:30pm	EDU 2121
	Contact instructor or department for details.	

EDHD323 **Children Study Their World**

EDHD323 *(PermReq)* **Children Study Their World; (2 credits)** Grade Method: REG. *Prerequisite: EDHD419, EDHD314, EDHD313, EDHD424, and EDSP470. Corequisite: Concurrently enrolled in EDHD322, EDHD315, EDHD321, EDHD435, and EDHD427. Restriction: Must be in Early Childhood Education program; and Senior standing or higher.* Provides a theoretical framework for pre-service teachers to understand and implement a developmentally appropriate social studies curriculum. The focus will be on methods of implementing theories of child development and curriculum, which foster higher level thinking skills in young children. Includes field experience.

0101	Elisa Klein W 8:30am - 10:00am Contact instructor or department for details.	Seats (Total: 32) EDU 1107

EDHD386 **Experiential Learning**

EDHD386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Restriction: Permission of EDUC-Human Development and Quantitative Methodology department; and Junior standing or higher.

Contact department for information to register for this course.

EDHD400 **Introduction to Gerontology**

EDHD400 Introduction to Gerontology; (3 credits) Grade Method: REG/AUD. GenEd: Distributive Studies - History and Social Sciences.
Multidisciplinary survey of the processes of aging. Physiological changes, cultural forces, and self-processes that bear on quality of life in later years. Field study of programs, institutions for elderly, individual elders, their families and care providers.

0101	Elizabeth Robertson-Tchabo Tu 3:30pm - 6:15pm Contact instructor or department for details.	Seats (Total: 192) ASY 2203

EDHD411 **Child Growth and Development**

EDHD411 Child Growth and Development; (3 credits) Grade Method: REG/AUD. GenEd: Distributive Studies - History and Social Sciences.
Theoretical approaches to and empirical studies of physical, psychological and social development from conception to puberty. Implications for home, school and community.

0101	Melanie Killen Tu 1:00pm - 3:45pm	Seats (Total: 40) EDU 3315
0201	Jennie Lee-Kim TuTh 11:00am - 12:15pm *Restricted to Education majors only.*	Seats (Total: 40) EDU 1121

EDHD413 **Adolescent Development**

EDHD413 Adolescent Development; (3 credits) Grade Method: REG. GenEd: Distributive Studies - History and Social Sciences.
Adolescent development, including special problems encountered in contemporary culture. Observational component and individual case study. Sections 0101 is restricted to education majors only.

0101	Ann Battle W 10:00am - 12:45pm *Restricted to Education majors only with the following major codes: 0802L, 0802P, 0823L, 0823P, 0831L, 0831P, 0832L, 0832P, 0833L, 0833P, 0834L, 0834P, 0840L, 0840P, 0841L, 0841P, 0842L, 0842P, 0843L,0843P, 0844L, 0844P, 0832O.*	Seats (Total: 40) EDU 0212
0201	Megan Kelly TuTh 11:00am - 12:15pm	Seats (Total: 45) ARC 1101
0301	Lauren Musu-Gillette TuTh 2:00pm - 3:15pm	Seats (Total: 45) EDU 0212

EDHD419A **Human Development and Learning in School Settings; Infancy and Preschool**

EDHD419A *(PermReq)* **Human Development and Learning in School Settings: Infancy and Preschool; (3 credits)** Grade Method: REG/AUD.
Allow an appropriate amount of time to travel from your on-campus class meetings to your off-campus experience.

0101	Megan Kelly Tu 1:00pm - 3:45pm	Seats (Total: 38) HBK 0115

EDHD420 **Cognitive Development and Learning**

EDHD420 Cognitive Development and Learning; (3 credits) Grade Method: REG. *Prerequisite: EDHD320, EDHD411, PSYC341, or PSYC355; or permission of EDUC-Human Development and Quantitative Methodology department.* Current developmental theories of cognitive processes such as language, memory, and intelligence and how differences in cognitive level (infancy through adolescence) mediate learning of educational subject matters.

0101	David Miele W 1:00pm - 3:45pm	Seats (Total: 40) EDU 1107

EDHD425 **Language Development and Reading Acquisition**

EDHD425 Language Development and Reading Acquisition; (3 credits) Grade Method: REG/AUD.
This course focuses on young children's language development and the relationship between language and reading acquisition. Students will learn: concepts central to language development; language achievements at different ages; concepts of emergent literacy; models of reading acquisition and skilled reading. Sections 0101 & 0201 are restricted to education majors only. Section 0401 is restricted to Early Childhood Education majors, major code 0823P, only.

0101	Angela McRae MW 11:00am - 12:15pm	Seats (Total: 40) EDU 1107
0201	Min Wang MW 11:00am - 12:15pm	Seats (Total: 30) EDU 3233
0301	Min Wang MW 2:00pm - 3:15pm	Seats (Total: 46) EDU 1121
0401	Lesley Sand Th 1:00pm - 3:45pm	Seats (Total: 40) PLS 1119
0501	Lesley Sand W 1:15pm - 4:00pm	Seats (Total: 35) BPS 1236

EDHD426 **Cognition and Motivation in Reading: Reading in Content Areas I**

EDHD426 *(PermReq)* **Cognition and Motivation in Reading: Reading in Content Areas I; (3 credits)** Grade Method: REG.
Students preparing for secondary teaching will learn the cognitive and motivational aspects of reading and learning from text in subjects of literature, science, history and mathematics. Different structured approaches to using text for content learning are presented. Classroom contexts that enable students to engage productively with diverse texts and internet resources are identified.

0101	Brita Johannessen M 5:00pm - 7:45pm	Seats (Total: 47) ASY 3207

EDHD427 **Constructing and Integrating the Early Childhood Curriculum**

EDHD427 *(PermReq)* **Constructing and Integrating the Early Childhood Curriculum; (3 credits)** Grade Method: REG.
Prerequisite: EDHD314, EDHD313, EDHD424, and EDSP470. Corequisite: Concurrently enrolled in EDHD323, EDHD322, EDHD315, EDHD321, and EDHD435. Restriction: Must be in Early Childhood Education program; and Senior standing. Explores the world from the child's perspective and constructs curriculum based on cognition, learning, and children's experiences. The integrated curriculum is the overarching framework for this course. Includes field experience.

0101	Brenda Jones Harden W 2:00pm - 4:00pm Contact instructor or department for details.	Seats (Total: 32) EDU 0212

EDHD430 **Adolescent Violence**

EDHD430 *(PermReq)* **Adolescent Violence; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: PSYC100; or permission of EDUC-Human Development and Quantitative Methodology department. Examines the roots of violence among adolescents and the extent to which this constitutes a problem in various settings. Research studies on its origins, prevention and intervention and implications for social policy are examined.

0101	Robert Marcus TuTh 2:00pm - 3:15pm	Seats (Total: 45) EDU 2119

EDHD435 **Effective Components of the Early Childhood Classroom**

EDHD435 *(PermReq)* **Effective Components of the Early Childhood Classroom; (3 credits)** Grade Method: REG.
Prerequisite: EDHD419, EDHD314, EDHD313, EDHD424, and EDSP470. Corequisite: Concurrently enrolled in EDHD323, EDHD322, EDHD315, EDHD321, and EDHD427. Restriction: Must be in Early Childhood Education program; and Senior standing or higher. Explores three topics integral to effective, child-centered early childhood classrooms: assessment, classroom management and parent involvement. Includes field experience.

0101	Christy Tirrell-Corbin M 11:00am - 1:00pm Contact instructor or department for details.	Seats (Total: 32) EDU 2119

EDHD440 **Adult Development**

EDHD440 Adult Development; (3 credits) Grade Method: REG. GenEd: Distributive Studies - History and Social Sciences.
Prerequisite: EDHD320; or permission of EDUC-Human Development and Quantitative Methodology department. Recommended: EDHD413. Major conceptual approaches to the study of adult development including physical, cognitive, social, emotional and self processes that take place within individuals as they progress from emerging adulthood through middle age.

0101	Elizabeth Robertson-Tchabo W 9:30am - 12:15pm	Seats (Total: 45) TYD 2108

EDHD460 **Educational Psychology**

EDHD460 Educational Psychology; (3 credits) Grade Method: REG/AUD. GenEd: Distributive Studies - History and Social Sciences.
Prerequisite: PSYC100; or permission of EDUC-Human Development and Quantitative Methodology department. Additional information: May not be substituted for EDHD300 by students in professional teacher education programs. Application of psychology to learning processes and theories. Individual differences, measurement, motivation, emotions, intelligence, attitudes, problem solving, thinking and communicating in educational settings.

0101	Alexandra List MW 12:30pm - 1:45pm	Seats (Total: 45) EDU 1121
0201	Alexandra List MW 9:30am - 10:45am	Seats (Total: 45) EDU 1121

EDHD489 **Field Experiences in Education**

EDHD489 *(PermReq)* **Field Experiences in Education; (1-4 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDHD498 **Special Problems in Education**

EDHD498 *(PermReq)* **Special Problems in Education; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDHD498Z **Special Problems in Education; The Development of the Scientific Mind Across the Lifespan**

EDHD498Z Special Problems in Education: The Development of the Scientific Mind Across the Lifespan; (3 credits) Grade Method: REG.

0101	Kevin Dunbar Tu 9:30am - 12:15pm	Seats (Total: 28) EDU 3236

EDHD600 **Introduction to Human Development and Child Study**
Contact department for information to register for this course.

EDHD617 **Achievement Motivation in Adolescence**
Contact department for information to register for this course.

EDHD619J **Advanced Scientific Concepts in Human Development; Adolescent Development**
Contact department for information to register for this course.

EDHD629 **Seminar for the Center for Children, Relationships, and Culture**

EDHD629 Seminar for the Center for Children, Relationships, and Culture; (1 credit) Grade Method: REG/AUD.

0101	Natasha Cabrera	Seats (Total: 20)
	Meets August 29, 2012 - December 11, 2012	
	W 11:45am - 2:15pm	EDU 2119

EDHD662 **Research Methods in Education Settings**
Contact department for information to register for this course.

EDHD690 **History and Systems in Human Development**

EDHD690 History and Systems in Human Development; (3 credits) Grade Method: REG.
History of the field of human development; philosophical basis of major theoretical paradigms and contemporary research drawn from foundational traditions.

0101	Melanie Killen	Seats (Total: 22)
	Th 1:00pm - 3:45pm	EDU 3236

EDHD692 **Cognitive Basis of Instruction**
Contact department for information to register for this course.

EDHD718 **Apprenticeship in College Teaching; Apprenticeship in College Teaching**

EDHD718 *(PermReq)* **Apprenticeship in College Teaching: Apprenticeship in College Teaching; (1 credit)** Grade Method: REG.

0101	Ann Battle	Seats (Total: 10)
	Contact instructor or department for details.	

EDHD720 **Social Development and Socialization Processes**

EDHD720 *(PermReq)* **Social Development and Socialization Processes; (3 credits)** Grade Method: REG.
Formerly EDHD820. This course covers social development and socialization processes across the life-span. The course typically covers the following topics: parent-child relationships, peer relationships, moral development, social cognition, social competence, social motivation, self-regulation, and cultural influences on development. This is core doctoral course. This course can be used in place of EDHD 602.

0101	Natasha Cabrera Tu 1:00pm - 3:45pm	Seats (Total: 18) EDU 3236

EDHD721 **Cognitive Development and Learning: An Introduction**

EDHD721 Cognitive Development and Learning: An Introduction; (3 credits) Grade Method: REG/AUD.
3 semester hours. Introductory survey into contemporary theory and research in cognitive development; applications to classroom learning.

0101	Geetha Ramani M 1:00pm - 3:45pm	Seats (Total: 20) EDU 0202

EDHD722 **Learning Theory and the Educative Process II**

EDHD722 Learning Theory and the Educative Process II; (3 credits) Grade Method: REG/AUD.
Prerequisite: EDHD721; or permission of EDUC-Human Development and Quantitative Methodology department. Advanced study of theories, issues and research in several categories of cognition and learning applied to education and the helping professions.

0101	Patricia Alexander Tu 4:15pm - 7:00pm	Seats (Total: 20) EDU 1121

EDHD775 **Human Development and Neuroscience**

EDHD775 *(PermReq)* **Human Development and Neuroscience; (3 credits)** Grade Method: REG.
Prerequisite: EDHD601; or permission of EDUC-Human Development and Quantitative Methodology department. Course focuses on the biological bases of human behavior including physiological processes which have an impact on human development.

0101	Nathan Fox	Seats (Total: 20)
	M 10:00am - 12:45pm	EDU 0202

EDHD789 **Internship in Human Development**

EDHD789 *(PermReq)* **Internship in Human Development; (3-8 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDHD798 **Laboratory in Human Development**

EDHD798 *(PermReq)* **Laboratory in Human Development; (1-6 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Limited to human development majors.

Contact department for information to register for this course.

EDHD799 **Master's Thesis Research**

EDHD799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
Limited to human development majors.

Contact department for information to register for this course.

EDHD878 **Applied Research and Strategies**

EDHD878 Applied Research and Strategies; (3 credits) Grade Method: REG.

0101	Judith Torney-Purta	Seats (Total: 10)
	M 1:00pm - 3:45pm	EDU 1108

EDHD888 **Apprenticeship in Human Development Research**

EDHD888 *(PermReq)* **Apprenticeship in Human Development Research; (1-8 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDHD889 **Practicum in Human Development**

EDHD889 *(PermReq)* **Practicum in Human Development; (3-8 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDHD898 **Pre-Candidacy Research**

EDHD898 *(PermReq)* **Pre-Candidacy Research; (1-8 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDHD899 **Doctoral Dissertation Research**

EDHD899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
Limited to human development majors.

Contact department for information to register for this course.

EDHI Education Leadership, Higher Ed and International Ed — Fall 2012

EDHI338A **Teaching and Learning about Cultural Diversity through Intergroup Dialogue; People of Color/White People**

EDHI338A *(PermReq)* **Teaching and Learning about Cultural Diversity through Intergroup Dialogue: People of Color/White People; (1 credit)** Grade Method: REG/P-F/AUD. GenEd: Diversity - Cultural Competency.
Please click here for further course information.

0101	Alison Mojto, Vasco Mateus, Mark Brimhall **Meets September 4, 2012 - October 16, 2012** Tu 4:30pm - 6:30pm	Seats (Total: 14) MMH 2411C
0201	Mark Brimhall **Meets October 17, 2012 - December 5, 2012** W 4:30pm - 6:30pm	Seats (Total: 14) MMH 2411C

EDHI338C **Teaching and Learning about Cultural Diversity through Intergroup Dialogue; Men/Women**

EDHI338C *(PermReq)* **Teaching and Learning about Cultural Diversity through Intergroup Dialogue: Men/Women; (1 credit)** Grade Method: REG/P-F/AUD.
GenEd: Diversity - Cultural Competency.
Please click here for further course information.

0101	Mark Brimhall **Meets August 29, 2012 - October 10, 2012** W 4:30pm - 6:30pm	Seats (Total: 14) MMH 2411C
0102	Mark Brimhall **Meets August 30, 2012 - October 11, 2012** Th 4:30pm - 6:30pm	Seats (Total: 13) MMH 2411C

EDHI338G **Teaching and Learning about Cultural Diversity through Intergroup Dialogue; Interfaith/Secular**

EDHI338G *(PermReq)* **Teaching and Learning about Cultural Diversity through Intergroup Dialogue: Interfaith/Secular; (1 credit)** Grade Method: REG/P-F/AUD.
GenEd: Diversity - Cultural Competency.
Please click here for further course information.

0201	Mark Brimhall **Meets October 18, 2012 - December 6, 2012** Th 4:30pm - 6:30pm	Seats (Total: 13) MMH 2411C

EDHI338K **Teaching and Learning about Cultural Diversity through Intergroup Dialogue; Socioeconomic Class**

EDHI338K *(PermReq)* **Teaching and Learning about Cultural Diversity through Intergroup Dialogue: Socioeconomic Class; (1 credit)** Grade Method: REG/P-F/AUD. GenEd: Diversity - Cultural Competency.
Please click here for further course information.

0101	Mark Brimhall	Seats (Total: 14)
	Meets August 29, 2012 - October 10, 2012	
	W 6:45pm - 8:45pm	MMH 2411C

EDHI338N **Teaching and Learning about Cultural Diversity through Intergroup Dialogue; LGBTQ/Heterosexual**

EDHI338N *(PermReq)* **Teaching and Learning about Cultural Diversity through Intergroup Dialogue: LGBTQ/Heterosexual; (1 credit)** Grade Method: REG/P-F/AUD. GenEd: Diversity - Cultural Competency.
Please click here for further course information.

0101	Mark Brimhall	Seats (Total: 14)
	Meets September 10, 2012 - October 22, 2012	
	M 4:30pm - 6:30pm	MMH 2411C

EDHI338P **Teaching and Learning about Cultural Diversity through Intergroup Dialogue; Emergent Theme**

EDHI338P *(PermReq)* **Teaching and Learning about Cultural Diversity through Intergroup Dialogue: Emergent Theme; (1 credit)** Grade Method: REG/P-F/AUD. GenEd: Diversity - Cultural Competency.
Please click here for further course information.

0201	Mark Brimhall	Seats (Total: 14)
	Meets October 23, 2012 - December 4, 2012	
	Tu 4:30pm - 6:30pm	MMH 2411C

EDHI338W **Teaching and Learning about Cultural Diversity through Intergroup Dialogue; Story Circle (Size and Appearance)**

EDHI338W *(PermReq)* **Teaching and Learning about Cultural Diversity through Intergroup Dialogue: Story Circle (Size and Appearance); (1 credit)** Grade Method: REG/P-F/AUD. GenEd: Diversity - Cultural Competency.
Please click here for further course information.

0201	Mark Brimhall	Seats (Total: 8)
	Meets October 17, 2012 - December 5, 2012	
	W 6:45pm - 8:45pm	MMH 2411C

EDHI488A **Special Topics in Education Policy and Administration; Education for Global Peace**

EDHI488A Special Topics in Education Policy and Administration: Education for Global Peace; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as EDHI681.

0101	Jing Lin	Seats (Total: 20)
	W 4:15pm - 7:00pm	EDU 1107

EDHI489 **Field Experiences in Education**

EDHI489 *(PermReq)* **Field Experiences in Education; (1-4 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDHI498 **Special Problems in Education**

EDHI498 *(PermReq)* **Special Problems in Education; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDHI600 **Education and Society**

EDHI600 Education and Society; (3 credits) Grade Method: REG/AUD.
Credit only granted for: EDHI600, EDPL600, or EDPS600. Formerly: EDPL600.
Education and Society is an introductory course to graduate studies in the Department of Education Policy and Leadership. Students consider how social institutions influence -- and in turn are influenced by -- education policies and practices.

0101	Thomas Davis W 4:15pm - 7:00pm	Seats (Total: 20) EDU 2101

EDHI643 **Management of Human Resources In Education**
Contact department for information to register for this course.

EDHI650 **Professional Seminar in Higher and Adult Education**

EDHI650 Professional Seminar in Higher and Adult Education; (3 credits) Grade Method: S-F.
Credit only granted for: EDHI650, EDPL650, or EDPS650. Formerly: EDPL650. Introduction to higher and adult education as a field of study. Origins, current dimensions and problems, and emerging issues. Field trips to state and national capitols, and involvement in professional conferences.

0101	Sharon Fries-Britt Tu 7:00pm - 9:45pm	Seats (Total: 20) EDU 2102

EDHI657 **History of Higher Education in the United States**

EDHI657 History of Higher Education in the United States; (3 credits) Grade Method: REG/AUD.
Credit only granted for: EDHI657, EDPL657, or EDPS657. Formerly: EDPL657. History of higher education in America from colonial times to the present with emphasis on expansion of higher education and the growing complexity of its structures, organization, and purposes.

0101	Noah Drezner Tu 4:15pm - 7:00pm	Seats (Total: 15) EDU 0202

EDHI660 **Retention Theories and the Impact of College**

EDHI660 Retention Theories and the Impact of College; (3 credits) Grade Method: REG.
Credit only granted for: EDHI660, EDPL660, or EDPS660. Formerly: EDPL660. An introduction to retention theories an the college impact literature. The primary focus will be to examine the disciplinary and philosophical frameworks that have informed the development of leading theories and policies.

0101	Sharon Fries-Britt Th 4:15pm - 7:00pm	Seats (Total: 20) EDU 1121

EDHI665 **College Access and Choice**

EDHI665 College Access and Choice; (3 credits) Grade Method: REG/AUD.
Credit only granted for: EDHI665 or EDHI788L. Formerly: EDHI788L. Examines the college-going process, how and why some students successfully navigate it, and what policies and programs can help students from disadvantaged or underrepresented backgrounds overcome barriers to college access and entry.

0101	Jennifer Johnson W 4:15pm - 7:00pm	Seats (Total: 20) EDU 3233

EDHI670 **Learning Communities**
Contact department for information to register for this course.

EDHI672 **Modes of Inquiry in Education Research**

EDHI672 Modes of Inquiry in Education Research; (3 credits) Grade Method: REG/AUD.
Credit only granted for: EDHI672, EDPL672, or EDPS672. Formerly: EDPL672. Introduction to modes of inquiry appropriate to research on issues and problems in education. Examination of qualitative, quantitative and mixed research methods and designs with a focus on related standards of quality.

0101	Kristan Skendall M 7:00pm - 9:45pm	Seats (Total: 20) EDU 3315

EDHI679 **Master's Seminar**

EDHI679 Master's Seminar; (3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDHI681 **Education for Global Peace**

EDHI681 Education for Global Peace; (3 credits) Grade Method: REG/AUD.
Credit only granted for: EDHI681, EDPL681, or EDPS681. Formerly: EDPL681. This course will examine how education can address the threats of violence and wars. It prepares students to teach about peace, nonviolence, and conflict resolution, and also to analyze and implement changes in school and society to contribute to peace and non-violence. Also offered as EDHI488A.

0101	Jing Lin	Seats (Total: 20)
	W 4:15pm - 7:00pm	EDU 1107

EDHI689 **Practicum In Educational Administration and Supervision**

EDHI689 *(PermReq)* **Practicum In Educational Administration and Supervision; (1-3 credits)** Grade Method: S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDHI700 **Qualitative Research Methods in Education**

EDHI700 Qualitative Research Methods in Education; (3 credits) Grade Method: REG/AUD.
Credit only granted for: EDHI700, EDPL700, or EDPS700. Formerly: EDPL700. Qualitative methods in education research, emphasizing the paradigms of philosophy, history, sociology, anthropology, and comparative studies as they rely on narrative rather than quantitative ordering of data.

0101	Hanne Mawhinney	Seats (Total: 20)
	Class time/details on ELMs	ONLINE

EDHI713 **Non-Formal Education**

EDHI713 Non-Formal Education; (3 credits) Grade Method: REG/AUD.
Recommended: EDHI605. Credit only granted for: EDHI707, EDHI713 or EDHI788N. Formerly: EDHI788N. An examination of forms of education outside the formal education system--known generally as nonformal (NFE) education and including popular education--to identify how these forms can assist marginalized populations in both Third World and industrialized countries to improve their quality of life and undertake collective action for social advancement.

0101	Nelly Stromquist	Seats (Total: 20)
	Tu 4:15pm - 7:00pm	EDU 2102

EDHI744 **Organizational Theory in Research and Practice**

EDHI744 Organizational Theory in Research and Practice; (3 credits) Grade Method: REG/AUD.
Credit only granted for: EDHI744, EDPL744, or EDPS744. Formerly: EDPL744. This course provides an overview of the study of organizations for graduate students interested in education and social policy. Class lectures focus on contrasting theories and critiquing application of theories to social policy problems with an emphasis on education. Case materials focus on a variety of organizational areas including: schools, hospitals, non-profit community based organizations, the arts, elected bodies, higher education and private business.

0101	Hanne Mawhinney	Seats (Total: 20)
	Class time/details on ELMs	ONLINE

EDHI752 **State Systems of Higher Education**

EDHI752 State Systems of Higher Education; (3 credits) Grade Method: REG/AUD.
Credit only granted for: EDHI752, EDPL752, or EDPS752. Formerly: EDPL752. Creation, operation, alteration and evaluation of state systems of higher education. Campus autonomy versus public accountability. Analysis of topics such as state planning, budget and program review, and administration of student aid and federal programs.

0101	Marvin Titus	Seats (Total: 20)
	W 7:00pm - 9:45pm	EDU 2102

EDHI754 **Higher Education Finance**

EDHI754 Higher Education Finance; (3 credits) Grade Method: REG/AUD.
Credit only granted for: EDHI754, EDPL754, or EDPS754. Formerly: EDPL754. Economic perspectives on higher education. Ways of financing higher education and current finance issues. Higher education budget concepts and processes.

0101	Marvin Titus	Seats (Total: 20)
	M 4:15pm - 7:00pm	EDU 2101

EDHI767 **Seminar on School District Leadership**
Contact department for information to register for this course.

EDHI788P **Special Topics in Education Policy and Administration; Educational Politics**

EDHI788P Special Topics in Education Policy and Administration: Educational Politics; (3 credits) Grade Method: REG.

IHP1	Todd Rosa	Seats (Total: 16)
	Meets August 29, 2012 - December 6, 2012	
	M 5:00pm - 7:40pm	Location: TBA

EDHI789 **Doctoral Practicum in Administration and Supervision**

EDHI789 Doctoral Practicum in Administration and Supervision; (1-3 credits) Grade Method: S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDHI798 **Special Problems in Education**

EDHI798 *(PermReq)* **Special Problems in Education; (1-6 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDHI799 **Master's Thesis Research**

EDHI799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDHI888 **Apprenticeship in Education**

EDHI888 Apprenticeship in Education; (1-8 credits) Grade Method: REG/AUD.

0101	Sharon Fries-Britt	Seats (Total: 5)
	Contact instructor or department for details.	

EDHI889 **Internship in Education**

EDHI889 *(PermReq)* **Internship in Education; (3-8 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDHI898 **Pre-Candidacy Research**

EDHI898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDHI899 **Doctoral Dissertation Research**

EDHI899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDMS Measurement, Statistics, and Evaluation — Fall 2012

EDMS410 **Classroom Assessment**

EDMS410 *(PermReq)* **Classroom Assessment; (3 credits)** Grade Method: REG/AUD.
Restriction: Junior standing or higher. Developing and using classroom assessments, including tests, performance assessments, rating scales, portfolios, observations and oral interactions; basic psychometric statistics; standard setting; grading; communicating assessment information; testing ethics; locating and evaluating measures; program evaluation and classroom research; assessments used for educational policy decisions. Restricted to Elementary Education majors with Junior standing and permission of instructor. Contact jfroh@umd.edu with questions.

0101	Kathryn Alvestad TuTh 9:30am - 10:45am *Hybrid course offering.*	Seats (Total: 30) EDU 1121
0201	Kathryn Alvestad Tu 4:15pm - 7:00pm	Seats (Total: 30) ONLINE

EDMS451 **Introduction to Educational Statistics**

EDMS451 Introduction to Educational Statistics; (3 credits) Grade Method: REG/AUD. GenEd: Fundamental Studies - Analytic Reasoning.
Restriction: Sophomore standing or higher. Credit only granted for: BIOM301, BMGT230, CCJS200, ECON321, EDMS451, GEOG306, GVPT422, PSYC200, or SOCY201. Introduction to statistical reasoning; location and dispersion measures; computer applications; regression and correlation; formation of hypotheses tests; t-test; one-way analysis of variance; analysis of contingency tables.

0101	Xiulin Mao TuTh 2:00pm - 3:15pm	Seats (Total: 80) BPS 1243
0201	Youngmi Cho TuTh 12:30pm - 1:45pm	Seats (Total: 30) EDU 3233
0301	Daniel McNeish MW 2:00pm - 3:15pm	Seats (Total: 30) EDU 0114
0401	Laura Stapleton MW 11:00am - 12:15pm	Seats (Total: 30) EDU 3315

EDMS610 **Classroom Assessment and Evaluation**

EDMS610 Classroom Assessment and Evaluation; (3 credits) Grade Method: REG/AUD.
Develop the understandings and skills needed to validly, reliably, and accurately assess student learning and to provide focused leadership in the area of classroom assessment.

0101	Kathryn Alvestad W 7:00pm - 9:45pm	Seats (Total: 10) ONLINE

IHP1	Kathryn Alvestad W 7:00pm - 9:45pm	Seats (Total: 20) ONLINE
	Outreach Offering, EDMS PBCAE Program. Departmental permission required	

EDMS622 **Theory and Practice of Standardized Testing**

EDMS622 Theory and Practice of Standardized Testing; (3 credits) Grade Method: REG/AUD.
Prerequisite: EDMS451; or EDMS645. Principles of interpretation and evaluation of aptitude, achievement, and personal-social instruments; theory of reliability and validity; prediction and classification; norm- and criterion-referenced testing concepts.

0101	Carolyn Fidelman W 7:00pm - 9:45pm	Seats (Total: 10) ONLINE
IHP1	Carolyn Fidelman **Meets August 29, 2012 - December 5, 2012** W 7:00pm - 9:45pm Class time/details on ELMs	Seats (Total: 14) ONLINE ONLINE
	Outreach Offering, EDMS PBCAE Program. Departmental permission required	

EDMS645 **Quantitative Research Methods I**

EDMS645 Quantitative Research Methods I; (3 credits) Grade Method: REG/AUD. Research design and statistical applications in educational research: data representation; descriptive statistics; estimation and hypothesis testing. Application of statistical computer packages is emphasized.

0101	Andre Rupp M 4:15pm - 7:00pm	Seats (Total: 30) EDU 3315
0201	George Macready Tu 4:15pm - 7:00pm	Seats (Total: 30) EDU 0220
0301	George Macready W 4:15pm - 7:00pm	Seats (Total: 30) EDU 2119

EDMS646 **Quantitative Research Methods II**

EDMS646 Quantitative Research Methods II; (3 credits) Grade Method: REG/AUD. *Prerequisite: EDMS645.* A second-level inferential statistics course with emphasis on analysis of variance procedures and designs. Assignments include student analysis of survey data. Application of statistical computer packages is emphasized.

0101	Hong Jiao W 4:15pm - 7:00pm	Seats (Total: 30) EDU 0220
0201	Hong Jiao Th 4:15pm - 7:00pm	Seats (Total: 30) EDU 2119

EDMS647 **Introduction to Program Evaluation**

EDMS647 Introduction to Program Evaluation; (3 credits) Grade Method: REG/AUD.
Prerequisite: EDMS645. Overview of the program evaluation process; problems encountered in the practice of program evaluation. Offered fall only.

0101	Marc Kroopnick Tu 7:00pm - 9:45pm	Seats (Total: 10) ONLINE
IHP1	Marc Kroopnick **Meets September 4, 2012 - December 4, 2012** Tu 7:00pm - 9:45pm Class time/details on ELMs *EDMS PBCAE Program Outreach Offering. Dept. permission required, contac Diane James at djames1@umd.edu.*	Seats (Total: 6) ONLINE ONLINE

EDMS651 **Applied Multiple Regression Analysis**

EDMS651 Applied Multiple Regression Analysis; (3 credits) Grade Method: REG/AUD.
Prerequisite: EDMS646; or students who have taken courses with similar or comparable course content may contact the department. Multiple regression and correlation analysis; trend analysis; hierarchical and stepwise procedures; logistic regression; computer programs for regression analysis.

0101	Jeffrey Harring M 4:15pm - 7:00pm	Seats (Total: 25) EDU 2102

0201	Andre Rupp	Seats (Total: 25)
	Th 4:15pm - 7:00pm	JMZ 2207

EDMS657 **Factor Analysis**

EDMS657 Factor Analysis; (3 credits) Grade Method: REG/AUD.
Prerequisite: EDMS651. Development of models for factor analysis and their practical applications. Treatment of factor extraction, rotation, second-order factor analysis, and factor scores. Introduction to linear structural relations models.

0101	Laura Stapleton	Seats (Total: 30)
	Th 4:15pm - 7:00pm	EDU 0220

EDMS738G **Seminar in Special Problems in Measurement; Psychometric Issues with State Testing: Growth, Value Added, and Personnel Assessment**

EDMS738G Seminar in Special Problems in Measurement: Psychometric Issues with State Testing: Growth, Value Added, and Personnel Assessment; (3 credits) Grade Method: REG/AUD.

0101	Robert Lissitz	Seats (Total: 20)
	Tu 4:15pm - 7:00pm	EDU 3236

EDMS779 **Seminar in Applied Statistics; Mathematical Foundations and Simulation Techniques**

EDMS779 *(PermReq)* **Seminar in Applied Statistics: Mathematical Foundations and Simulation Techniques; (1-3 credits)** Grade Method: REG/AUD.

0101	Jeffrey Harring	Seats (Total: 15)
	Tu 4:15pm - 7:00pm	JMZ 2123

EDMS798 **Special Problems in Education**

EDMS798 Special Problems in Education; (1-6 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDMS799 **Master's Thesis Research**

EDMS799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDMS889 **Internship in Measurement and Statistics**

EDMS889 Internship in Measurement and Statistics; (3-8 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDMS898 **Pre-Candidacy Research**

EDMS898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDMS899 **Doctoral Dissertation Research**

EDMS899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDPS Education Policy Studies Fall 2012

EDPS210 **Historical and Philosophical Perspectives on Education**

EDPS210 Historical and Philosophical Perspectives on Education; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course. GenEd: Distributive Studies - Humanities.
Credit only granted for: EDPL210 or EDPS210. Formerly: EDPL210. An examination of illustrative historical and philosophical examples of the interplay of ideas and events in the shaping of educational aims and practices from ancient cultures to modern technological societies.

0101	Pam Splaine	Seats (Total: 30)
	Tu 8:00am - 10:45am	EDU 0114

0201	Kathleen Hoyer TuTh 9:30am - 10:45am	Seats (Total: 30) EDU 3315
0301	Steven Stakland MW 11:00am - 12:15pm	Seats (Total: 30) PLS 1111

EDPS301 **Foundations of Education**

EDPS301 Foundations of Education; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - History and Social Sciences.
Credit only granted for: EDPL301 or EDPS301. Formerly: EDPL301. Social context of education and conflicts over philosophies, values, and goals that are reflected in educational institutions in our pluralistic society. Helps teachers become reflective, critical thinkers about the social and philosophical issues they face and the choices they make.

0101	Dennis Herschbach MW 9:30am - 10:45am	Seats (Total: 30) HJP 1125
0201	Dennis Herschbach MW 11:00am - 12:15pm	Seats (Total: 30) HJP 1125
0301	Eleonor Castillo MW 2:00pm - 3:15pm	Seats (Total: 30) EDU 3233
0401	John Splaine TuTh 2:00pm - 3:15pm	Seats (Total: 30) COL 0100
0501	John Splaine Tu 10:00am - 12:45pm	Seats (Total: 30) HJP 1125
0601	Brigitte Dubois TuTh 2:00pm - 3:15pm	Seats (Total: 30) EDU 0114

EDPS489 **Field Experiences in Education**

EDPS489 *(PermReq)* **Field Experiences in Education; (1-4 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDPS498 **Special Problems in Education**

EDPS498 *(PermReq)* **Special Problems in Education; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDPS615 **Economics of Education**

EDPS615 Economics of Education; (3 credits) Grade Method: REG/AUD. *Credit only granted for: EDHI615, EDPL615, or EDPS625. Formerly: EDPL615.* An introduction to the application of economic principles to the study of education policy. The course content revolves around issues of efficiency, equity, and freedom of choice. Specific attention is devoted to school finance litigation and reform, practices for raising and allocating resources, and education productivity issues.

0101	Jennifer Rice	Seats (Total: 20)
	W 1:00pm - 3:45pm	EDU 2121

EDPS620 **Education Policy Analysis**

EDPS620 Education Policy Analysis; (3 credits) Grade Method: REG/AUD. *Credit only granted for: EDHI620, EDPL620, or EDPS620. Formerly: EDPL620.* Policy making in education from planning to evaluation with emphasis on the identification of policy problems and the resources available to analysts through multi-disciplinary approaches. An introductory experience with education policy analysis.

0101	Betty Malen	Seats (Total: 20)
	M 4:15pm - 7:00pm	EDU 1107

EDPS621 **Policy and Program Evaluation for Organizational Improvement**
Contact department for information to register for this course.

EDPS635 **Principles of Curriculum Development**

EDPS635 Principles of Curriculum Development; (3 credits) Grade Method: REG/AUD.
Credit only granted for: EDHI635, EDPL635, or EDPS635. Formerly: EDPL635.
Curriculum planning, improvement, and evaluation in the schools; principles for the selection and organization of the content and learning experiences; ways of working in classroom and school on curriculum improvement.

0101	Mary Snyder	Seats (Total: 30)
	W 4:15pm - 7:00pm	EDU 0114

EDPS679 **Master's Seminar**

EDPS679 Master's Seminar; (3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDPS736 **Phenomenological Inquiry II**

EDPS736 Phenomenological Inquiry II; (3 credits) Grade Method: REG/AUD.
Prerequisite: EDPS735. Credit only granted for: EDHI736, EDPL736, or EDPS736. Formerly: EDPL736. This advanced course in phenomenological methodology provides an expanded philosophic and methodological grounding for conducting phenomenological research. Attention is given to the development of phenomenological projects through the process of phenomenological writing. It is especially relevant for persons interested in the study of lived meanings in the domains of education, psychology, counseling, the health sciences and related academic and professional fields.

0101	Francine Hultgren	Seats (Total: 20)
	Th 4:15pm - 7:00pm	EDU 0206

EDPS788A **Special Topics in Education Policy and Administration; Seminar in Mixed Methods: Analysis of Teaching Quality**

EDPS788A Special Topics in Education Policy and Administration: Seminar in Mixed Methods: Analysis of Teaching Quality; (3 credits) Grade Method: REG/AUD.
Also offered as EDCI788A. Credit will be granted for one of the following: EDCI788A or EDPS788A. Click here for more course information.

0101	Linda Valli, Robert Croninger W 4:15pm - 7:00pm	Seats (Total: 25) EDU 2212

EDPS788J **Special Topics in Education Policy and Administration; Social Analysis of Urban Education Policy**

EDPS788J Special Topics in Education Policy and Administration: Social Analysis of Urban Education Policy; (1-3 credits) Grade Method: REG/AUD.

0101	Tirza Wilbon White Th 4:15pm - 7:00pm	Seats (Total: 20) EDU 0202

EDPS788R **Special Topics in Education Policy and Administration; Research Apprenticeship**

EDPS788R Special Topics in Education Policy and Administration: Research Apprenticeship; (1-3 credits) Grade Method: REG/AUD.

0101	Betty Malen Th 4:15pm - 7:00pm	Seats (Total: 15) EDU 3236

EDPS789 **Doctoral Practicum in Administration and Supervision**

EDPS789 Doctoral Practicum in Administration and Supervision; (1-3 credits) Grade Method: S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDPS798 **Special Problems in Education**

EDPS798 *(PermReq)* **Special Problems in Education; (1-6 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDPS799 **Master's Thesis Research**

EDPS799 Master's Thesis Research; (1-6 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDPS888 **Apprenticeship in Education**

EDPS888 Apprenticeship in Education; (3 credits) Grade Method: REG/AUD.

0101	Dennis Herschbach Contact instructor or department for details.	Seats (Total: 10)
0201	Pam Splaine Contact instructor or department for details.	Seats (Total: 10)

EDPS889 **Internship in Education**

EDPS889 *(PermReq)* **Internship in Education; (3-8 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDPS898 **Pre-Candidacy Research**

EDPS898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDPS899 **Doctoral Dissertation Research**

EDPS899 *(PermReq)* **Doctoral Dissertation Research; (1-8 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDSP Education, Special Fall 2012

EDSP210 **Introduction to Special Education**

EDSP210 Introduction to Special Education; (3 credits) Grade Method: REG/AUD. *Restriction: Must not have completed EDSP470. And permission of EDUC-Counseling, Higher Education and Special Education department; or Freshman standing; or Sophomore standing. Credit only granted for: EDSP210 or EDSP470.* Characteristics and needs of individuals receiving special education and related services. Current issues and practices in special education.

0101	Jennifer Kline TuTh 12:30pm - 1:45pm	Seats (Total: 35) EDU 1107	
0201	Kimberly Palombo TuTh 2:00pm - 3:15pm	Seats (Total: 35) ASY 3207	

EDSP289I **Disability: From Stigma and Sideshow to Mainstream and Main Street**

EDSP289I Disability: From Stigma and Sideshow to Mainstream and Main Street; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - History and Social Sciences; Diversity - Understanding Plural Societies; Signature Courses - I-Series.

0101	Carolyn Fink Tu 12:30pm - 1:45pm Th 12:30pm - 1:45pm	Seats (Total: 20) EDU 1121 EDU 1121	 Discussion
0201	Carolyn Fink Tu 12:30pm - 1:45pm Th 12:30pm - 1:45pm	Seats (Total: 20) EDU 1121 EDU 3315	 Discussion

EDSP376 **Fundamentals of Sign Language**

EDSP376 Fundamentals of Sign Language; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Diversity - Cultural Competency.
Receptive and expressive skills in American Sign Language. Examination of the causes of deafness, characteristics of deaf education, and aspects of the culture of the deaf community.

0101	Michael Dunham MW 5:00pm - 6:15pm	Seats (Total: 27) TYD 0111	

EDSP400 **Functional Assessment and Instruction in Special Education**

EDSP400 Functional Assessment and Instruction in Special Education; (3 credits) Grade Method: REG/AUD.
Restriction: Must be in Special Education program; or must be in Special Education (Doctoral) program; or must be in Special Education (Master's) program. Also offered as: EDSP602. Credit only granted for: EDSP400 or EDSP602. Functional assessment procedures and instructional methods for students with severe disabilities from birth to adulthood. Practicum required. Placement arranged for those students not concurrently enrolled in EDSP 421, EDSP 434, or EDSP 452.

0101	Frances Kohl	Seats (Total: 40)
	W 4:15pm - 7:00pm	EDU 1121

EDSP402 **Field Placement: Severe Disabilities I**

EDSP402 Field Placement: Severe Disabilities I; (2-5 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Enrollment limited to those admitted to severely handicapped specialty area; and completed or be concurrently enrolled in EDSP404 and EDSP400. Restriction: Permission of EDUC-Counseling, Higher Education and Special Education department. Practicum experience in settings serving severely disabled individuals. Enrollment limited to those admitted to severely handicapped specialty area. Field placement for two to five half-days per week.

0101	Anne Butler, Frances Kohl	Seats (Total: 10)
	Contact instructor or department for details.	

EDSP404 **Education of Students with Autism**

EDSP404 *(PermReq)* **Education of Students with Autism; (3 credits)** Grade Method: REG/AUD.
Prerequisite: Completed or be concurrently enrolled in EDSP402 and EDSP400. Restriction: Permission of EDUC-Counseling, Higher Education and Special Education department. Also offered as: EDSP604. Credit only granted for: EDSP404 or EDSP604. Characteristics, needs, assessment, and educational methods for students diagnosed as autistic.

0101	Andrew Egel	Seats (Total: 25)
	M 4:15pm - 7:00pm	EDU 2119

EDSP413 **Behavior and Classroom Management in Special Education**

EDSP413 Behavior and Classroom Management in Special Education; (3 credits) Grade Method: REG/AUD.
Restriction: Must be in Special Education program; or must be in one of the following programs (Special Education (Doctoral); Special Education (Master's)). Also offered as: EDSP613. Credit only granted for: EDSP321, EDSP413, or EDSP613. Formerly: EDSP321. Use of applied behavior analysis for assessment of behavior and learning environments. Design of behavior and classroom management of students in special education.

0101	Paul Livelli TuTh 5:00pm - 6:15pm	Seats (Total: 28) CSS 2416
0201	Andrew Egel Tu 4:15pm - 7:00pm	Seats (Total: 28) EDU 2119

EDSP420 **Characteristics of Infants & Young Children: Early Childhood Special Education**

EDSP420 Characteristics of Infants & Young Children: Early Childhood Special Education; (3 credits) Grade Method: REG/AUD.
Restriction: Must be in Special Education program; or must be in one of the following programs (Special Education (Doctoral); Special Education (Master's)). Also offered as: EDSP626. Credit only granted for: EDSP420 or EDSP626. Focus on developmental, behavioral, and learning characteristics of infants and young children with and without disabilities. Practicum required. Placement arranged for students not concurrently enrolled in EDSP 421.

0101	Sandra Newcomb, Paula Beckman Th 4:15pm - 7:00pm	Seats (Total: 24) EDU 2101

EDSP421 **Field Placement in Special Education: Early Childhood I**

EDSP421 Field Placement in Special Education: Early Childhood I; (4 credits) Grade Method: REG/AUD. GenEd: Distributive Studies - Scholarship in Practice.
Restriction: Must be in Special Education program; or must be in one of the following programs (Special Education (Doctoral); Special Education (Master's)). Field experience I in early childhood special education. Students must reserve three half-days (8-1) for this experience.

0101	Deirdre Barnwell, M Brown F 10:30am - 12:00pm TuWTh 8:00am - 1:00pm	Seats (Total: 25) EDU 0202 Location: TBA	Lab

EDSP422 **Curriculum and Instruction: Early Childhood Special Education**

EDSP422 Curriculum and Instruction: Early Childhood Special Education; (3 credits) Grade Method: REG/AUD.
Restriction: Must be in Special Education program; or must be in one of the following programs (Special Education (Doctoral); Special Education (Master's)). Also offered as: EDSP627. Credit only granted for: EDSP422 or EDSP627. Curriculum and instruction for young children with mild and moderate disabilities, preschool through primary grades.

0101	Joan Lieber Tu 4:15pm - 7:00pm	Seats (Total: 25) EDU 0114	

EDSP434 **Field Placement in Special Education: Secondary Middle I**

EDSP434 Field Placement in Special Education: Secondary Middle I; (4 credits) Grade Method: REG/AUD. GenEd: Distributive Studies - Scholarship in Practice.
Restriction: Must be in Special Education program; or must be in one of the following programs (Special Education (Doctoral); Special Education (Master's)). Field experience I in secondary middle special education.

0101	Carolyn Fink F 10:30am - 12:00pm TuWTh 8:00am - 1:00pm	Seats (Total: 25) EDU 2102 Location: TBA	Lab

EDSP451 **Curriculum and Instruction: Elementary Special Education**

EDSP451 Curriculum and Instruction: Elementary Special Education; (3 credits) Grade Method: REG/AUD.
Restriction: Must be in Special Education program; or must be in one of the following programs (Special Education (Doctoral); Special Education (Master's)). Also offered as: EDSP652. Credit only granted for: EDSP451 or EDSP652. Methods for instruction of students with disabilities in the general education curriculum. Collaboration with other professionals is included.

0101	Kelly Worland	Seats (Total: 26)	
	Th 1:15pm - 4:00pm	EDU 0206	

EDSP452 **Field Placement in Special Education: Elementary I**

EDSP452 Field Placement in Special Education: Elementary I; (4 credits) Grade Method: REG/AUD. GenEd: Distributive Studies - Scholarship in Practice. *Restriction: Must be in Special Education program; or must be in one of the following programs (Special Education (Doctoral); Special Education (Master's)).* Field experience I in elementary special education.

0101	Carolyn Fink	Seats (Total: 25)	
	F 10:30am - 12:00pm	EDU 2101	
	TuWTh 8:00am - 1:00pm	Location: TBA	Lab

EDSP455 **Assessment in Elementary Special Education**

EDSP455 Assessment in Elementary Special Education; (3 credits) Grade Method: REG/AUD.
Restriction: Must be in Special Education program; or must be in one of the following programs (Special Education (Doctoral); Special Education (Master's)). Also offered as: EDSP654. Credit only granted for: EDSP455 or EDSP654. Focus on selection, administration, and interpretation of assessment tools and results for designing instruction and evaluating progress of elementary students in special education.

0101	Susan De La Paz	Seats (Total: 25)
	Tu 4:15pm - 7:00pm	EDU 1107

EDSP466 **Issues and Models of Instruction: Middle/Secondary Special Education**

EDSP466 Issues and Models of Instruction: Middle/Secondary Special Education; (3 credits) Grade Method: REG/AUD.
Restriction: Must be in Special Education program; or must be in one of the following programs (Special Education (Doctoral); Special Education (Master's)). Also offered as: EDSP664. Credit only granted for: EDSP466 or EDSP664. Issues, legislation, and service models in middle/secondary special education. Emphasis on career and vocational education, self-determination, and transition.

0101	Monica Simonsen Th 4:15pm - 7:00pm	Seats (Total: 26) EDU 3315

EDSP470 **Introduction to Special Education**

EDSP470 Introduction to Special Education; (3 credits) Grade Method: REG/AUD. GenEd: Diversity - Understanding Plural Societies.
Restriction: Must not have completed EDSP210. Credit only granted for: EDSP210 or EDSP470. Designed to give an understanding of the needs of all types of exceptional children.

0101	Agnesanne Danehey W 4:15pm - 7:00pm	Seats (Total: 40) EDU 0212
0201	Christy Kelly TuTh 4:15pm - 5:30pm *Restricted to Early Childhood Education and Art Education majors only.*	Seats (Total: 40) HBK 0109
0301	Paula Maccini, Deirdre Barnwell, Barbara Gruber M 4:15pm - 7:00pm	Seats (Total: 40) EDU 3233

EDSP477 **Curriculum, Assessment, and Instruction: Middle/Secondary Special Education**

EDSP477 Curriculum, Assessment, and Instruction: Middle/Secondary Special Education; (3 credits) Grade Method: REG/P-F/AUD.
Restriction: Must be in Special Education program; or must be in one of the following programs (Special Education (Doctoral); Special Education (Master's)). Also offered as: EDSP677. Credit only granted for: EDSP477 or EDSP677. Methods and assessment practices for effective instruction in middle and secondary content areas for students in special education. The first five weeks of class are on campus. The remaining classes will be at a local school off campus as part of a weekly supervised tutoring clinic experience. Plan for appropriate travel time transitioning from on-campus to the local school tutoring experience.

0101	Allyson Toronto, Kenneth Wright Tu 4:15pm - 7:00pm	Seats (Total: 26) EDU 3233

EDSP481 **Cultural Diversity and Disability**

EDSP481 Cultural Diversity and Disability; (3 credits) Grade Method: REG/AUD.
Restriction: Must be in Special Education program. Also offered as: EDSP681. Credit only granted for: EDSP481, EDSP499C, EDSP678C, or EDSP681. Formerly: EDSP499C. A study of diversity issues within special education, with attention to uses of race, culture, and disability as they pertain to teaching, learning, and social justice.

0101	Peter Leone	Seats (Total: 30)
	M 10:00am - 1:00pm	CSS 2416

EDSP482 **Literacy Approaches for At-Risk Adolescents**

EDSP482 Literacy Approaches for At-Risk Adolescents; (3 credits) Grade Method: REG/AUD.
Prerequisite: Completed or be concurrently enrolled in EDHD426. Restriction: Permission of EDUC-Counseling, Higher Education and Special Education department. Also offered as: EDSP682. Credit only granted for: EDSP482, EDSP488R, EDSP682, or EDSP788R. Formerly: EDSP488R. Provides approaches to teaching reading in the content areas for secondary students with disabilities.

0101	Jade Wexler	Seats (Total: 20)
	M 4:15pm - 7:00pm	EDU 1315

EDSP484 **Reading and Writing Instruction in Special Education II**

EDSP484 Reading and Writing Instruction in Special Education II; (3 credits) Grade Method: REG/AUD.
Prerequisite: EDSP416. Restriction: Must be in Special Education program; or must be in one of the following programs (Special Education (Doctoral); Special Education (Master's)). Also offered as: EDSP684. Credit only granted for: EDSP484 or EDSP684. Focus on the development of reading and writing programs for students in special education. Builds on foundations established in EDSP416.

0101	Anna Meyer, Rebecca Silverman	Seats (Total: 42)
	Tu 1:15pm - 4:00pm	HJP 1125

EDSP488T **Selected Topics in Teacher Education; Mentoring Preservice Special Educators**
Contact department for information to register for this course.

EDSP489 **Field Experiences in Special Education**

EDSP489 Field Experiences in Special Education; (1-4 credits) Grade Method: REG/AUD.

0101	M Brown	Seats (Total: 20)
	Contact instructor or department for details.	

EDSP498 **Special Problems in Special Education**

EDSP498 *(PermReq)* **Special Problems in Special Education; (1-6 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Special education majors only.

Contact department for information to register for this course.

EDSP499D **Workshops, Clinics, and Institutes in Special Education; Universal Design for Learning**

EDSP499D *(PermReq)* **Workshops, Clinics, and Institutes in Special Education: Universal Design for Learning; (3 credits)** Grade Method: REG.

0101	Debra Neubert	Seats (Total: 40)
	F 9:00am - 11:45am	TWS 1100

EDSP600 **Exceptional Children and Youth**
Contact department for information to register for this course.

EDSP602 **Functional Assessment and Instruction in Special Education**

EDSP602 Functional Assessment and Instruction in Special Education; (3 credits) Grade Method: REG/AUD.
Restriction: Must be in Special Education (Doctoral) program; or must be in Special Education (Master's) program. Also offered as: EDSP400. Credit only granted for: EDSP400 or EDSP602. Functional assessment procedures and instructional methods for students with severe disabilities from birth to adulthood.

0101	Frances Kohl	Seats (Total: 40)
	W 4:15pm - 7:00pm	EDU 1121

EDSP604 **Education of Students with Autism**

EDSP604 Education of Students with Autism; (3 credits) Grade Method: REG/AUD.
Restriction: Permission of EDUC-Counseling, Higher Education and Special Education department. Also offered as: EDSP404. Credit only granted for: EDSP404 or EDSP604. Characteristics, needs, assessment, and educational methods for students diagnosed as autistic or having a pervasive development disorder.

0101	Andrew Egel M 4:15pm - 7:00pm	Seats (Total: 25) EDU 2119

EDSP613 **Behavior and Classroom Management in Special Education**

EDSP613 Behavior and Classroom Management in Special Education; (3 credits) Grade Method: REG.
Restriction: Must be in Special Education (Doctoral) program; or must be in Special Education (Master's) program; or permission of instructor. Also offered as: EDSP413. Credit only granted for: EDSP413 or EDSP613. Applied behavior analysis for assessment of behavior and learning environments. Behavior and classroom management strategies for students in special education.

0101	Paul Livelli TuTh 5:00pm - 6:15pm	Seats (Total: 28) CSS 2416
0201	Andrew Egel Tu 4:15pm - 7:00pm	Seats (Total: 28) EDU 2119

EDSP623 **Challenges and Issues in Behavioral and Learning Disorders**
Contact department for information to register for this course.

EDSP625 **Seminar on Severely Handicapping Conditions**

EDSP625 *(PermReq)* **Seminar on Severely Handicapping Conditions; (3 credits)** Grade Method: REG/AUD.
Prerequisite: EDSP600. Restriction: Permission of EDUC-Counseling, Higher Education and Special Education department. Research and theories relevant to the education of severely handicapped individuals.

0101	Frances Kohl M 7:00pm - 9:45pm	Seats (Total: 15) EDU 1315

EDSP626 **Characteristics of Infants and Young Children: Early Childhood Special Education**

EDSP626 Characteristics of Infants and Young Children: Early Childhood Special Education; (3 credits) Grade Method: REG/AUD.
Also offered as: EDSP420. Credit only granted for: EDSP420 or EDSP626. Focus on developmental, behavioral, and learning characteristics of infants and young children with and without disabilities. For EDSP majors only.

0101	Paula Beckman, Sandra Newcomb Th 4:15pm - 7:00pm	Seats (Total: 24) EDU 2101

EDSP627 **Curriculum and Instruction: Early Childhood Special Education**

EDSP627 Curriculum and Instruction: Early Childhood Special Education; (3 credits) Grade Method: REG/AUD.
Also offered as: EDSP422. Credit only granted for: EDSP422 or EDSP627. Curriculum and instructor for young children with mild and moderate disabilities, preschool through primary grades. For EDSP majors only.

0101	Joan Lieber Tu 4:15pm - 7:00pm	Seats (Total: 25) EDU 0114

EDSP652 **Curriculum and Instruction: Elementary Special Education**

EDSP652 Curriculum and Instruction: Elementary Special Education; (3 credits) Grade Method: REG/AUD.
Also offered as: EDSP451. Credit only granted for: EDSP451 or EDSP652. Methods for instruction of students with disabilities in the general education curriculum. Collaboration with other professionals is included. For EDSP majors only.

0101	Kelly Worland Th 1:15pm - 4:00pm	Seats (Total: 26) EDU 0206

EDSP654 **Assessment in Elementary Special Education**

EDSP654 Assessment in Elementary Special Education; (3 credits) Grade Method: REG/AUD.
Also offered as: EDSP455. Credit only granted for: EDSP455 or EDSP654. Focus on selection, administration, and interpretation of assessment tools and results for designing instruction and evaluating progress of elementary students in special education. For EDSP majors only.

0101	Susan De La Paz	Seats (Total: 25)
	Tu 4:15pm - 7:00pm	EDU 1107

EDSP664 **Issues and Models:Secondary/Middle Special Education**

EDSP664 Issues and Models:Secondary/Middle Special Education; (3 credits) Grade Method: REG/AUD.
Restriction: Permission of EDUC-Counseling, Higher Education and Special Education department. Also offered as: EDSP466. Credit only granted for: EDSP466 or EDSP664. Issues, legislation, and service models in secondary/middle special education. Emphasis on career and vocational education, self-determination, and transition.

0101	Monica Simonsen	Seats (Total: 26)
	Th 4:15pm - 7:00pm	EDU 3315

EDSP677 **Curriculum, Assessment, and Instruction: Middle/Secondary Special Education**

EDSP677 Curriculum, Assessment, and Instruction: Middle/Secondary Special Education; (3 credits) Grade Method: REG/AUD.
Also offered as: EDSP477. Credit only granted for: EDSP477 or EDSP677. Methods and assessment practicies for effective instruction in middle and secondary content areas for students in special education. For EDSP majors only. The first five weeks of class are on campus. The remaining classes will be at a local school off campus as part of a weekly supervised tutoring clinic experience. Plan for appropriate travel time transitioning from on-campus to the local school tutoring experience.

0101	Kenneth Wright, Allyson Toronto	Seats (Total: 26)
	Tu 4:15pm - 7:00pm	EDU 3233

EDSP678B **Seminar in Special Education; Advanced Research Seminar on Program Evaluation**
Contact department for information to register for this course.

EDSP681 **Seminar in Cultural Diversity and Disability**

EDSP681 Seminar in Cultural Diversity and Disability; (3 credits) Grade Method: REG/AUD.
Restriction: Must be in Special Education (Doctoral) program; or must be in Special Education (Master's) program. Also offered as: EDSP481. Credit only granted for: EDSP481 or EDSP681. A study of diversity issues within special education, with attention to issues of race, culture, and disability as they pertain to teaching, learning, and social justice.

0101	Peter Leone M 10:00am - 1:00pm	Seats (Total: 30) CSS 2416

EDSP682 **Advanced Literacy Approaches for At-Risk Adolescents**

EDSP682 Advanced Literacy Approaches for At-Risk Adolescents; (3 credits) Grade Method: REG/AUD.
Also offered as: EDSP482. Credit only granted for: EDSP482, EDSP488R, EDSP682, or EDSP788R. Formerly: EDSP788R. Approaches to teaching reading in the content areas for secondary students with disabilities.

0101	Jade Wexler M 4:15pm - 7:00pm	Seats (Total: 20) EDU 1315

EDSP684 **Reading and Writing Instruction in Special Education II**

EDSP684 Reading and Writing Instruction in Special Education II; (3 credits) Grade Method: REG.
Prerequisite: EDSP616. Restriction: Permission of EDUC-Counseling, Higher Education and Special Education department. Also offered as: EDSP484. Credit only granted for: EDSP484 or EDSP684. Development of effective reading and writing programs for students receiving special education services. Builds on the foundation established in EDSP 616.

0101	Rebecca Silverman, Anna Meyer Tu 1:15pm - 4:00pm	Seats (Total: 42) HJP 1125

EDSP686 **Promoting Prosocial Behavior in Special Education**
Contact department for information to register for this course.

EDSP687 **Family Partnerships in Special Education**

EDSP687 Family Partnerships in Special Education; (3 credits) Grade Method: REG.
Restriction: Must be in Special Education (Doctoral) program; or must be in Special Education (Master's) program. Also offered as: EDSP487. Credit only granted for: EDSP487 or EDSP687. Strategies for communicating and working with families of students with disabilities.

0101	Martha Moon W 1:15pm - 4:00pm	Seats (Total: 24) EDU 2101	
0201	Martha Moon Th 4:15pm - 7:00pm	Seats (Total: 20) EDU 1315	

EDSP691 **Graduate Internship in Special Education I: Early Childhood**

EDSP691 Graduate Internship in Special Education I: Early Childhood; (2-4 credits) Grade Method: REG/AUD.
Restriction: Must be in Special Education (Doctoral) program; or must be in Special Education (Master's) program. Credit only granted for: EDSP431 and EDSP691. Formerly: EDSP431. Internship I in early childhood special education. Students must reserve three half-days (8-1) for this experience.

0101	Diane Greig F 10:30am - 12:00pm TuWTh 8:00am - 1:00pm	Seats (Total: 25) EDU 0206 Location: TBA	 Lab

EDSP692 **Graduate Internship in Special Education I: Elementary**

EDSP692 Graduate Internship in Special Education I: Elementary; (2-4 credits) Grade Method: REG/AUD.
Restriction: Must be in Special Education (Doctoral) program; or must be in Special Education (Master's) program. Credit only granted for: EDSP456 or EDSP692. Formerly: EDSP456. Internship I in elementary special education.

0101	Stacey Williams F 10:30am - 12:00pm TuWTh 8:00am - 1:00pm	Seats (Total: 25) EDU 3233 Location: TBA	 Lab

EDSP693 **Graduate Internship in Special Education I: Secondary Middle**

EDSP693 Graduate Internship in Special Education I: Sceondary Middle; (2-4 credits) Grade Method: REG/AUD.
Restriction: Must be in Special Education (Doctoral) program; or must be in Special Education (Master's) program. Credit only granted for: EDSP436 or EDSP693. Formerly: EDSP436. Internship I in secondary middle special education.

0101	Patricia Ulf	Seats (Total: 20)	
	F 10:30am - 12:00pm TuWTh 8:00am - 1:00pm	EDU 3236 Location: TBA	Lab

EDSP694 **Graduate Internship in Special Education II: Early Childhood**

EDSP694 *(PermReq)* **Graduate Internship in Special Education II: Early Childhood; (6-11 credits)** Grade Method: REG/AUD.
Corequisite: Concurrently enrolled in EDSP690. Restriction: Must be in Special Education program; or must be in Special Education (Doctoral) program; or must be in Special Education (Master's) program. Credit only granted for: EDSP494, EDSP694, or EDSP889A. Student teaching, full-time for twelve weeks, with infants or preschool children with disabilities. Students must pay a $400.00 laboratory fee.

0101	Instructor: TBA	Seats (Total: 1)
	Contact instructor or department for details.	

EDSP695 **Graduate Internship in Special Education II: Elementary**

EDSP695 Graduate Internship in Special Education II: Elementary; (6-11 credits) Grade Method: REG/AUD.
Corequisite: Concurrently enrolled in EDSP690. Restriction: Must be in Special Education program; or must be in Special Education (Doctoral) program; or must not be in Special Education (Master's) program. Credit only granted for: EDSP495, EDSP694, or EDSP888A. Student teaching, full-time for twelve weeks, with students with disabilities in elementary settings.

0101	Instructor: TBA	Seats (Total: 1)
	Contact instructor or department for details. *Lab fee of $400 applies*	

EDSP798 **Special Problems in Special Education**

EDSP798 *(PermReq)* **Special Problems in Special Education; (1-6 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Special education majors only.

Contact department for information to register for this course.

EDSP799 **Master's Thesis Research**

EDSP799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
Special education majors only.

Contact department for information to register for this course.

EDSP860 **Doctoral Research Seminar**

EDSP860 Doctoral Research Seminar; (3 credits) Grade Method: REG/AUD. Issues and procedures relevant to conducting and analyzing research in special education.

0101	Joan Lieber	Seats (Total: 15)
	Th 2:00pm - 5:00pm	Location: TBA

EDSP888 **Apprenticeship in Special Education**

EDSP888 *(PermReq)* **Apprenticeship in Special Education; (1-8 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDSP888A **Apprenticeship in Special Education; Apprenticeship in College Teaching**

EDSP888A Apprenticeship in Special Education: Apprenticeship in College Teaching; (3 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDSP889 **Internship in Special Education**

EDSP889 *(PermReq)* **Internship in Special Education; (3-8 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Special education majors only.

Contact department for information to register for this course.

EDSP898 **Pre-Candidacy Research**

EDSP898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDSP899 **Doctoral Dissertation Research**

EDSP899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
Special education majors only.

Contact department for information to register for this course.

EDUC Education Fall 2012

EDUC388 **Special Topics in Education; Guided Experience In College Teaching**

EDUC388 *(PermReq)* **Special Topics in Education: Guided Experience In College Teaching; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Alexis Williams	Seats (Total: 30)
	Th 5:00pm - 7:00pm Contact instructor or department for details.	ASY 3215
	Relates to the standard UTA program and should be taken concurrently with EDHD 498, 1201 for one credit.	
0102	Alexis Williams	Seats (Total: 30)
	Tu 5:00pm - 7:00pm Contact instructor or department for details.	TWS 1106
	Relates to the standard UTA program and should be taken concurrently with EDHD 498, 1201 for one credit.	

0202	Lauren Norris W 3:00pm - 5:00pm Contact instructor or department for details. *Restricted to students who are teaching UNIV100 or UNIV101.*	Seats (Total: 20) COL 0102
0203	Lauren Norris Tu 3:30pm - 5:30pm Contact instructor or department for details. *Restricted to students who are teaching UNIV100 or UNIV101.*	Seats (Total: 20) COL 0102
0204	Laura Brant M 3:00pm - 5:00pm Contact instructor or department for details. *Restricted to students who are teaching UNIV100 or UNIV101.*	Seats (Total: 20) COL 0102
0401	Sharon Vanwright M 4:00pm - 6:00pm Contact instructor or department for details. *Relates to the academic achievement program and should be taken concurrently with EDCI498, section 6601.*	Seats (Total: 20) SYM 0215
0501	Alicia Thomas, Stacy Woycheck W 4:00pm - 5:30pm Contact instructor or department for details. *Relates to the standard UTA program and is restricted to Life Science students only.*	Seats (Total: 20) HBK 0105
SG91	Marsha Youngblood M 3:00pm - 5:00pm Contact instructor or department for details. *Restricted to students in the Guided Study Sessions (GSS program at the Universities at Shady Grove). Prerequisite: Permission of the Associate Director of the Center for Academic Success (CAS) at USG.*	Seats (Total: 12) Location: TBA

EDUC388H **Special Topics in Education; Honors Synthesis Seminar**

EDUC388H *(PermReq)* **Special Topics in Education: Honors Synthesis Seminar; (2 credits)** Grade Method: REG.
Seminar restricted to students admitted to the College of Education Honors Program. For additional information contact Christy Tirrell-Corbin at her e-mail address, ctc@umd.edu.

0101	Christy Tirrell-Corbin	Seats (Total: 20)
	M 4:15pm - 6:15pm	EDU 1121

EDUC499H **Honors Thesis**

EDUC499H *(PermReq)* **Honors Thesis; (1-6 credits)** Grade Method: REG/P-F. Course restricted to students admitted to College of Education honors program.

0101	Christy Tirrell-Corbin	Seats (Total: 14)
	Contact instructor or department for details.	

EDUC888 **Applied Apprenticeship in Education**
Contact department for information to register for this course.

EDUC888A **Applied Apprenticeship in Education; Apprenticeship in Scholarly Writing**
Contact department for information to register for this course.

EDUC888B **Applied Apprenticeship in Education; Dissertation in Practice Process**
Contact department for information to register for this course.

ENAE Engineering, Aerospace Fall 2012

ENAE100 **The Aerospace Engineering Profession**

ENAE100 *(PermReq)* **The Aerospace Engineering Profession; (1 credit)** Grade Method: REG/P-F/AUD.
Recommended: ENES100 and MATH140. Overview of salient aspects of professional practice of Aerospace Engineering. Introduction to the range of technical expertise needed to succeed in the profession and the objectives of the various parts of the Aerospace Engineering program at UMCP in supporting students' efforts in gaining the required knowledge and skills. Familiarization with departmental faculty and their areas of research, creation of links with other students, professional society student chapters, and available resources. Discussion of ethical issues, business requirements, and their interactions with technical developments.

0101	Norman Wereley	Seats (Total: 150)
	Tu 12:30pm - 1:45pm	EGR 1202

ENAE283 **Introduction to Aerospace Systems**

ENAE283 Introduction to Aerospace Systems; (3 credits) Grade Method: REG.
Prerequisite: PHYS161, MATH141, and ENES102. Corequisite: Concurrently enrolled in PHYS261 and PHYS260. Restriction: Must be in Engineering: Aerospace program. Credit only granted for: (ENAE281 and ENAE282) or ENAE283. Formerly: ENAE281 and ENAE282. Introduction to airplanes and space vehicles as aerospace systems. Fundamentals that describe these systems. Elements of aerodynamics, airfoils and wings. Airplane performance, stability and control. Aircraft and rocket propulsion. Fundamentals of orbital motion. Aspects of vehicle conceptual design.

0101	Mary Bowden	Seats (Total: 95)
	TuTh 9:30am - 10:45am	CHE 2108

ENAE283H **Introduction to Aerospace Systems**

ENAE283H *(PermReq)* **Introduction to Aerospace Systems; (3 credits)** Grade Method: REG.
Prerequisite: PHYS161, MATH141, and ENES102. Corequisite: Concurrently enrolled in PHYS261 and PHYS260. Restriction: Must be in Engineering: Aerospace program. Credit only granted for: (ENAE281 and ENAE282) or ENAE283. Formerly: ENAE281 and ENAE282. Introduction to airplanes and space vehicles as aerospace systems. Fundamentals that describe these systems. Elements of aerodynamics, airfoils and wings. Airplane performance, stability and control. Aircraft and rocket propulsion. Fundamentals of orbital motion. Aspects of vehicle conceptual design.

0101	Alison Flatau	Seats (Total: 25)
	TuTh 9:30am - 10:45am	EGR 1102

ENAE301 **Dynamics of Aerospace Systems**

ENAE301 Dynamics of Aerospace Systems; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PHYS271, MATH461, PHYS270, MATH246, ENAE283, ENAE202, ENES102, and MATH241. Restriction: Must be in Engineering: Aerospace program; or permission of ENGR-Aerospace Engineering department. Kinematics and dynamics of three dimensional motion of point masses and rigid bodies with introduction to more general systems. Primary emphasis on Newtonian methods. Practice in numerical solutions and computer animation of equations of motion using MATLAB.

0101	Derek Paley TuTh 12:30pm - 1:45pm F 1:00pm - 1:50pm	Seats (Total: 26) CHE 2110 EGR 0312	 Lab
0102	Derek Paley TuTh 12:30pm - 1:45pm F 2:00pm - 2:50pm	Seats (Total: 26) CHE 2110 EGR 0312	 Lab
0103	Derek Paley TuTh 12:30pm - 1:45pm F 3:00pm - 3:50pm	Seats (Total: 32) CHE 2110 KIM 2111	 Lab
0104	Derek Paley TuTh 12:30pm - 1:45pm F 4:00pm - 4:50pm	Seats (Total: 32) CHE 2110 KIM 2111	 Lab

ENAE311 **Aerodynamics I**

ENAE311 Aerodynamics I; (3 credits) Grade Method: REG.
Prerequisite: PHYS271, MATH461, PHYS270, MATH246, ENAE283, ENES220, ENAE202, and MATH241. Corequisite: Concurrently enrolled in ENES232. Restriction: Must be in Engineering: Aerospace program; or permission of ENGR-Aerospace Engineering department. And Junior standing or higher. Formerly: ENAE471. Fundamentals of aerodynamics. Elements of compressible flow. Normal and oblique shock waves. Flows through nozzles, diffusers and wind tunnels. Elements of the method of characteristics and finite difference solutions for compressible flows. Aspects of hypersonic flow.

0101	Christopher Cadou, Pino Martin TuTh 9:30am - 10:45am	Seats (Total: 85) CSI 1115

ENAE311H **Aerodynamics I**

ENAE311H *(PermReq)* **Aerodynamics I; (3 credits)** Grade Method: REG/P-F. *Prerequisite: PHYS271, MATH461, PHYS270, MATH246, ENAE283, ENES220, ENAE202, and MATH241. Corequisite: Concurrently enrolled in ENES232. Restriction: Must be in Engineering: Aerospace program; or permission of ENGR-Aerospace Engineering department. And Junior standing or higher. Formerly: ENAE471.* Fundamentals of aerodynamics. Elements of compressible flow. Normal and oblique shock waves. Flows through nozzles, diffusers and wind tunnels. Elements of the method of characteristics and finite difference solutions for compressible flows. Aspects of hypersonic flow.

0101	Christopher Cadou TuTh 9:30am - 10:45am	Seats (Total: 30) CSI 1115	

ENAE362 **Aerospace Instrumentation and Experimentation**

ENAE362 Aerospace Instrumentation and Experimentation; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MATH246 and ENAE283. Restriction: Must be in Engineering: Aerospace program; and Junior standing or higher. Basic instrumentation electronics including DC electronics, AC electronics, semiconductors, electro-optics and digital electronics. Sensing devices used to carry out experiments in Aerospace Engineering includes metrology, machine tool measurements, bridge circuits, optical devices, and introduction to computer based data acquisition. Topics chosen to support measurements in aerodynamics, flight structures and flight control.

0101	Allen Winkelmann MW 1:00pm - 1:50pm M 2:00pm - 5:00pm	Seats (Total: 20) JMP 3201 EGL 0123	 Lab
0102	Allen Winkelmann MW 1:00pm - 1:50pm Tu 2:00pm - 5:00pm	Seats (Total: 20) JMP 3201 EGL 0123	 Lab
0103	Allen Winkelmann MW 1:00pm - 1:50pm W 2:00pm - 5:00pm	Seats (Total: 20) JMP 3201 EGL 0123	 Lab
0104	Allen Winkelmann MW 1:00pm - 1:50pm Th 2:00pm - 5:00pm	Seats (Total: 20) JMP 3201 EGL 0123	 Lab

0105	Allen Winkelmann MW 1:00pm - 1:50pm W 9:00am - 12:00pm	Seats (Total: 20) JMP 3201 EGL 0123	 Lab

ENAE380 **Flight Software Systems**

ENAE380 Flight Software Systems; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: ENAE283 and ENAE202. Restriction: Must be in Engineering: Aerospace program; and Junior standing or higher.* Avionics using advanced sensor and computing technologies are at the heart of every modern Aerospace vehicle. Advanced software systems to improve cockpit safety and enable unmanned and deep-space missions. Object-oriented programming and software engineering concepts required to design and build complex flight software systems. Software validation, verification and real-time performance analysis to assess flight software system reliability and robustness. Human-machine interface design for piloted systems. Automatic onboard data acquisition and decision-making for unmanned air and space vehicles. Three hours of lecture and two hours of laboratory per week. Prerequisite: ENAE202 and ENAE283. Junior standing. For ENAE majors only.

0101	Anthony Banes MW 12:00pm - 12:50pm F 9:00am - 10:50am	Seats (Total: 29) CHE 2110 EGR 0312	 Lab
0102	Anthony Banes MW 12:00pm - 12:50pm F 11:00am - 12:50pm	Seats (Total: 29) CHE 2110 EGR 0312	 Lab
0103	Anthony Banes MW 12:00pm - 12:50pm F 1:00pm - 2:50pm	Seats (Total: 29) CHE 2110 KEB 2107	 Lab
0104	Anthony Banes MW 12:00pm - 12:50pm M 9:00am - 10:50am	Seats (Total: 29) CHE 2110 KEB 2107	 Lab

ENAE398H **Honors Research Project**

ENAE398H Honors Research Project; (1-3 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENAE403 **Aircraft Flight Dynamics**

ENAE403 Aircraft Flight Dynamics; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: ENAE414 and ENAE432. Restriction: Must be in Engineering: Aerospace program; or permission of ENGR-Aerospace Engineering department.* Study of motion of aircraft, equations of motion, aerodynamic force representation, longitudinal and lateral motions, response to controls and to atmospheric disturbances, handling qualities criteria and other figures of merit.

0101	Derek Paley	Seats (Total: 53)
	TuTh 3:30pm - 4:45pm	SPH 1303

ENAE423 **Vibration and Aeroelasticity**

ENAE423 Vibration and Aeroelasticity; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: ENAE324. Restriction: Must be in Engineering: Aerospace program; or permission of ENGR-Aerospace Engineering department.* Dynamic response of single and multiple degrees of freedom systems, finite element modeling, wing divergence, aileron reversal, wing and panel flutter.

0101	Sung Lee	Seats (Total: 69)
	MWF 11:00am - 11:50am	CHE 2110

ENAE423H **Vibration and Aeroelasticity**

ENAE423H Vibration and Aeroelasticity; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: ENAE324. Restriction: Must be in Engineering: Aerospace program; or permission of ENGR-Aerospace Engineering department.* Dynamic response of single and multiple degrees of freedom systems, finite element modeling, wing divergence, aileron reversal, wing and panel flutter.

0101	Norman Wereley	Seats (Total: 25)
	MWF 11:00am - 11:50am	EGR 1102

ENAE441 **Space Navigation and Guidance**

ENAE441 Space Navigation and Guidance; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ENAE404 and ENAE432. Restriction: Must be in Engineering: Aerospace program; or permission of ENGR-Aerospace Engineering department. Principles of navigation. Celestial, radio, and inertial navigation schemes. Navigational and guidance requirements for orbital, planetary, and atmospheric entry missions. Fundamentals of communications and information theory. Link budgets, antennas and telemetry systems.

0101	Liam Healy	Seats (Total: 49)
	TuTh 9:30am - 10:45am	EGR 0110

ENAE455 **Aircraft Propulsion and Power**

ENAE455 Aircraft Propulsion and Power; (3 credits) Grade Method: REG/P-F.
Prerequisite: ENES232, ENAE414, and ENAE311. Restriction: Must be in Engineering: Aerospace program; or permission of ENGR-Aerospace Engineering department. Thermodynamic cycle analysis, aerothermochemistry of fuels and propellants, operating principles of piston, turbojet, fanjet, and other variations of airbreathing aircraft power units.

0101	Kenneth Yu	Seats (Total: 65)
	TuTh 12:30pm - 1:45pm	PLS 1130

ENAE457 **Space Propulsion and Power**

ENAE457 Space Propulsion and Power; (3 credits) Grade Method: REG/P-F.
Prerequisite: PHYS271, ENES232, PHYS270, and ENAE311. Restriction: Must be in Engineering: Aerospace program; or permission of ENGR-Aerospace Engineering department. And Senior standing. Thermodynamic cycle analysis, aerothermochemistry of fuels and propellants, operating principles of rocket, ion, and other exoatmospheric power units.

0101	Raymond Sedwick	Seats (Total: 49)
	TuTh 2:00pm - 3:15pm	EGR 0110

ENAE481 **Principles of Aircraft Design**

ENAE481 Principles of Aircraft Design; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: ENAE324, ENAE362, and ENAE432. Corequisite: Concurrently enrolled in ENAE414. Restriction: Must be in Engineering: Aerospace program; or permission of ENGR-Aerospace Engineering department.* Aircraft design principles blending both synthesis and analysis. The iterative nature of the design process. Applied aerodynamics. Elements of aircraft performance calculation and optimization. Design of aircraft including payload, crew and avionics provisions, propulsion selection and sizing, aerodynamic configuration optimization, mass properties, stability and control characteristics, and vehicle subsystems. Individual student projects in aircraft design.

0101	Dominic Palumbo MWF 2:00pm - 2:50pm	Seats (Total: 65) CSI 2117

ENAE483 **Principles of Space Systems Design**

ENAE483 Principles of Space Systems Design; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ENAE404, ENAE324, ENAE362, and ENAE432. Restriction: Must be in Engineering: Aerospace program; or permission of ENGR-Aerospace Engineering department. Principles of space systems analysis and vehicle design. Launch vehicle performance analysis and optimization. Design of vehicle systems including avionics, power, propulsion, life support, human factors, structures, actuator and mechanisms, and thermal control. Design processes and design synthesis. Individual student projects in vehicle design.

0101	David Akin TuTh 11:00am - 12:15pm	Seats (Total: 42) JMP 2121

ENAE499 **Elective Research**

ENAE499 *(PermReq)* **Elective Research; (3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENAE601 **Astrodynamics**

ENAE601 Astrodynamics; (3 credits) Grade Method: REG/AUD.
Prerequisite: ENAE404 and ENAE441. Mathematics and applications of orbit theory, building upon the foundations developed in ENAE 404 and ENAE 441. Topics include two body orbits, solutions of Kepler's equation, the two-point boundary value problem, rendezvous techniques, and Encke's method.

0101	Brent Barbee	Seats (Total: 25)
	MW 5:00pm - 6:15pm	EGR 1102

ENAE631 **Helicopter Aerodynamics I**

ENAE631 *(PermReq)* **Helicopter Aerodynamics I; (3 credits)** Grade Method: REG/AUD.
Prerequisite: ENAE414 and ENAE311. Or permission of ENGR-Aerospace Engineering department; and permission of instructor. A history of rotary-wing aircraft, introduction to hovering theory, hovering and axial flight performance, factors affecting hovering and vertical flight performance, autorotation in vertical descent, concepts of blade motion and control, aerodynamics of forward flight, forward flight performance, operational envelope, and introduction to rotor acoustics. Those sections that begin with a letter are taught via ITV and are not intended for College Park campus students.

0101	John Leishman	Seats (Total: 25)
	TuTh 2:00pm - 3:15pm	EGR 1102

ENAE641 **Linear System Dynamics**

ENAE641 Linear System Dynamics; (3 credits) Grade Method: REG/AUD.
Prerequisite: ENAE432. Linear systems; state space, multi-input, multi-output models; eigenstructure; controllability, observability, singular value analysis; multivariable Nyquist condition; observer design; introduction to Kalman filtering. Full state feedback techniques including pole placement and LQR/LQG techniques; introduction to loop shaping and robustness.

0101	Robert Sanner	Seats (Total: 25)
	TuTh 12:30pm - 1:45pm	EGR 1102

ENAE651 **Smart Structures**

ENAE651 Smart Structures; (3 credits) Grade Method: REG/AUD.
Topics related to the analysis, design, and implementation of smart structures and systems: modeling of beams and plates with induced strain actuation; shape memory alloys; electro-rheological fluids; magnetostrictor and electrostricter actuators and fiber optic sensors. Those sections that begin with a letter are taught via ITV and are not intended for College Park campus students.

0101	Inderjit Chopra TuTh 9:30am - 10:45am	Seats (Total: 25) EGR 3102

ENAE653 **Nonlinear Finite Element Analysis of Continua**

ENAE653 Nonlinear Finite Element Analysis of Continua; (3 credits) Grade Method: REG/AUD.
Prerequisite: ENAE652; or students who have taken courses with similar or comparable course content may contact the department. Finite element formulation of nonlinear and time dependent processes. Introduction to tensors, nonlinear elasticity, plasticity and creep. Application to nonlinear solids including aerospace structures, such as shells undergoing finite rotations.

0101	Sung Lee MW 5:00pm - 6:15pm	Seats (Total: 20) EGR 2116

ENAE655 **Structural Dynamics**

ENAE655 Structural Dynamics; (3 credits) Grade Method: REG/AUD.
Prerequisite: ENAE 452 or permission of department. Advanced principles of dynamics necessary for structural analysis; solutions of eigenvalue problems for discrete and continuous elastic systems, solutions to forced response boundary value problems by direct, modal, and transform methods.

HT01	James Hubbard MW 3:30pm - 4:45pm	Seats (Total: 4) Location: TBA
SG01	James Hubbard MW 3:30pm - 4:45pm	Seats (Total: 4) Location: TBA
SM01	James Hubbard MW 3:30pm - 4:45pm	Seats (Total: 4) Location: TBA

TV01	James Hubbard MW 3:30pm - 4:45pm	Seats (Total: 15) JMP 2222

ENAE667 **Advanced Space Propulsion and Power**

ENAE667 *(PermReq)* **Advanced Space Propulsion and Power; (3 credits)** Grade Method: REG/AUD.
Prerequisite: ENAE663. Restriction: Permission of instructor. Advanced treatment of selected space propulsion and power technologies, methods of analysis and performance estimation. Topics will vary each year as time permits, but may include cold gas systems, chemical, nuclear, arcjets, beamed energy, and electric propulsion systems, as well as other advanced concepts.

0101	Raymond Sedwick Tu 4:00pm - 6:30pm	Seats (Total: 15) EGR 0110

ENAE672 **Low Reynolds Number Aerodynamics**

ENAE672 *(PermReq)* **Low Reynolds Number Aerodynamics; (3 credits)** Grade Method: REG/AUD.
Prerequisite: ENAE414; and permission of instructor. Survey and review of incompressible flow concepts including potential flow, lift and drag, and the Navier-Stokes equations with a focus on low Reynolds number applications. Boundary layers, separation, and transition. Viscous flows. Vortex-dominated flows and vortex dynamics. Introduction to unsteady and three-dimensional aerodynamics such as dynamic stall, Wagner effect, and flapping wings.

0101	Anya Jones MW 9:30am - 10:45am	Seats (Total: 25) EGR 0108

ENAE681 **Engineering Optimization**

ENAE681 *(PermReq)* **Engineering Optimization; (3 credits)** Grade Method: REG/AUD.
Restriction: Permission of ENGR-Aerospace Engineering department. Methods for unconstrained and constrained minimization of functions of several variables. Sensitivity analysis for systems of algebraic equations, eigenvalue problems, and systems of ordinary differential equations. Methods for transformation of an optimization problem into a sequence of approximate problems. Optimum design sensitivity analysis.

0101	Roberto Celi MW 2:00pm - 3:15pm	Seats (Total: 15) EGR 1110

ENAE684 **Computational Fluid Dynamics I**

ENAE684 Computational Fluid Dynamics I; (3 credits) Grade Method: REG/AUD.
Restriction: Permission of ENGR-Aerospace Engineering department. Partial differential equations applied to flow modelling, fundamental numerical techniques for the solution of these equations, elliptic, parabolic, and hyperbolic equations, elements of finite difference solutions, explicit and implicit techniques. Applications to fundamental flow problems.

0101	James Baeder TuTh 11:00am - 12:15pm	Seats (Total: 30) EGR 2116

ENAE694 **Spacecraft Communications**

ENAE694 Spacecraft Communications; (3 credits) Grade Method: REG/AUD.
Brief overview of satellite orbits. Radio frequency communications, noise, and bandwidth limitations. Link budget analysis. Modulation and multiplexing approaches, multiple access systems. Satellite transponder and Earth station technology.

0101	David Israel MW 5:00pm - 6:15pm	Seats (Total: 25) JMP 2216
HT01	David Israel MW 5:00pm - 6:15pm	Seats (Total: 5) Location: TBA
SG01	David Israel MW 5:00pm - 6:15pm	Seats (Total: 5) Location: TBA

SM01	David Israel MW 5:00pm - 6:15pm	Seats (Total: 5) Location: TBA
TV01	David Israel MW 5:00pm - 6:15pm	Seats (Total: 5) Location: TBA

ENAE788B **Selected Topics in Aerospace Engineering; Aircraft Systems Identification**

ENAE788B Selected Topics in Aerospace Engineering: Aircrafte Systems Identification; (3 credits) Grade Method: REG/AUD.
Class will meet in Room 141, NIA Building.

HT01	Eugene Morelli MW 9:30am - 10:45am	Seats (Total: 5) Location: TBA
SG01	Eugene Morelli MW 9:30am - 10:45am	Seats (Total: 5) Location: TBA
SM01	Eugene Morelli MW 9:30am - 10:45am	Seats (Total: 5) Location: TBA
TV01	Eugene Morelli MW 9:30am - 10:45am	Seats (Total: 20) JMP 2222

ENAE788D **Selected Topics in Aerospace Engineering; Advanced Space Systems Design**

ENAE788D Selected Topics in Aerospace Engineering: Advanced Space Systems Design; (3 credits) Grade Method: REG/AUD.

0101	David Akin TuTh 11:00am - 12:15pm	Seats (Total: 12) JMP 2121

ENAE788K **Selected Topics in Aerospace Engineering; Estimation and Control of Stochastic Systems**

ENAE788K Selected Topics in Aerospace Engineering: Estimation and Control of Stochastic Systems; (1-3 credits) Grade Method: REG/AUD.

0101	Robert Sanner TuTh 3:30pm - 4:45pm	Seats (Total: 20) JMP 2202

ENAE788X **Selected Topics in Aerospace Engineering; Planetary surface robotics**

ENAE788X Selected Topics in Aerospace Engineering: Planetary surface robotics; (3 credits) Grade Method: REG/AUD.

0101	David Akin TuTh 5:00pm - 6:15pm	Seats (Total: 30) JMP 2216
HT01	David Akin TuTh 5:00pm - 6:15pm	Seats (Total: 5) Location: TBA
SG01	David Akin TuTh 5:00pm - 6:15pm	Seats (Total: 5) Location: TBA
SM01	David Akin TuTh 5:00pm - 6:15pm	Seats (Total: 5) Location: TBA
TV01	David Akin TuTh 5:00pm - 6:15pm	Seats (Total: 5) Location: TBA

ENAE799 **Master's Thesis Research**

ENAE799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENAE898 **Pre-Candidacy Research**

ENAE898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENAE899 **Doctoral Dissertation Research**

ENAE899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENCE100 **Introduction to Civil and Environmental Engineering**

ENCE100 Introduction to Civil and Environmental Engineering; (1 credit) Grade Method: REG/P-F/AUD.
An overview of the department of Civil and Environment Engineering. Students are introduced to the undergraduate curriculum and will be exposed to other undergraduate and graduate students at various points in their program. The course blends panel presentations by seniors and graduate students, faculty and practitioners with a project and book review to be performed by the students.

0101	Kaye Brubaker F 1:00pm - 1:50pm	Seats (Total: 132) CHM 1402

ENCE200 **Civil Engineering Computation**

ENCE200 *(PermReq)* **Civil Engineering Computation; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ENES100, MATH141, and ENES102; and permission of ENGR-Civil & Environmental Engineering department. Credit only granted for: ENCE200 or ENCE202. Formerly: ENCE202. Development of knowledge and skills in managing, analyzing, interpreting, and communicating spatial information. Computer Aided Drawing (CAD) and Geographic Information Systems (GIS) are introduced in the context of civil and environmental engineering applications.

0101	Kaye Brubaker, Frank White MW 2:00pm - 3:15pm	Seats (Total: 38) EGR 1156
0201	Frank White, Kaye Brubaker MW 3:30pm - 4:45pm	Seats (Total: 38) EGR 1156

ENCE201 **Engineering Information Processing**

ENCE201 *(PermReq)* **Engineering Information Processing; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: Permission of ENGR-Civil & Environmental Engineering department. Credit only granted for: ENCE201 or ENCE203. Exploration of algorithms for solving problems in several important areas of numerical computing: roots of equations; matrix algebra and the systems of linear equations; function approximation, numerical differentiation and integration; and ordinary differential equations. Issues of solution accuracy, robustness, and efficiency are also considered. Numerical techniques are presented in the context of engineering applications, and example problems are solved using a variety of computer-based tools (primarily MATLAB).

0101	Charles Schwartz	Seats (Total: 60)
	MWF 2:00pm - 2:50pm	TYD 1101

ENCE215 **Engineering for Sustainability**

ENCE215 *(PermReq)* **Engineering for Sustainability; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: CHEM135; and permission of ENGR-Civil & Environmental Engineering department. Engineers have a key role to play in planning, designing, building, and ensuring a sustainable future. In this class, a problem-based approach is used to examine fundamentally-based analyses and approaches for engineering as sustainable society, with a focus on sustainable use of energy and materials, sustainable infrastructure solutions, atmospheric sustainability and sustainable water supply, and human population growth and resource consumption and its implications for sustainability.

0101	Allen Davis	Seats (Total: 70)
	TuTh 11:00am - 12:15pm	PLS 1130

ENCE300 **Fundamentals of Engineering Materials**

ENCE300 *(PermReq)* **Fundamentals of Engineering Materials; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ENES220; and permission of ENGR-Civil & Environmental Engineering department. Behavior, physical, mechanical and chemical properties, design and performance of civil engineering materials, including aggregates, cement, concrete, asphalt binders and mixtures, plastics and geosynthetics, timber, metals and alloys. Modified and advanced highway materials (polymer and rubber modified mixtures, high performance concrete, composites, smart materials). Laboratory testing with hands-on experience on aggregates, Portland cement concrete, asphalt mixtures, timber and metals as per SUPERAVE, ACI design methods, and ASTM standards and specifications. Restricted to students in the College of Engineering.

0102	Dimitrios Goulias W 1:00pm - 2:50pm Th 12:30pm - 2:30pm	Seats (Total: 15) PLS 1140 EGL 0110A	 Lab
0103	Dimitrios Goulias W 1:00pm - 2:50pm Th 2:30pm - 4:30pm	Seats (Total: 15) PLS 1140 EGL 0110A	 Lab
0104	Dimitrios Goulias W 1:00pm - 2:50pm Th 4:30pm - 6:30pm	Seats (Total: 15) PLS 1140 EGL 0110A	 Lab

ENCE302 **Probability and Statistics for Civil and Environmental Engineers**

ENCE302 *(PermReq)* **Probability and Statistics for Civil and Environmental Engineers; (3 credits)** Grade Method: REG/AUD.
Prerequisite: MATH246 and ENCE201; and permission of ENGR-Civil & Environmental Engineering department. Statistics is the science of data. Civil Engineers must often make decisions based on incomplete, variable or uncertain information. In addition, modern methods of design and analysis need to account for variability in natural, engineered and human systems. After successful completion of this class, a student should have facility and familiarity with established basic techniques for managing data, modeling variability and uncertainty, communicating about data and decisions, and supporting or defending a decision or judgment based on uncertain or incomplete data. Restricted to students in the College of Engineering.

0101	Bilal Ayyub MWF 2:00pm - 2:50pm	Seats (Total: 55) PHY 1204	

ENCE305 **Fundamentals of Engineering Fluids**

ENCE305 *(PermReq)* **Fundamentals of Engineering Fluids; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: PHYS261, ENES220, and PHYS260; and permission of ENGR-Civil & Environmental Engineering department. Credit only granted for: ENCE305 or ENCE330. Formerly: ENCE330. The theoretical bases for fluid statics and dynamics, including the conservation of mass, energy and momentum. Modeling of hydraulic systems are introduced. Emphasis on pipe flow and open-channel hydraulics, with real-world applications.

0101	Yaron Sternberg MWF 8:00am - 8:50am	Seats (Total: 40) EGR 1104
0102	Richard McCuen MWF 10:00am - 10:50am	Seats (Total: 40) EGR 1104

ENCE310 **Introduction to Environmental Engineering**

ENCE310 *(PermReq)* **Introduction to Environmental Engineering; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: PHYS260 and ENCE215; and permission of ENGR-Civil & Environmental Engineering department. Introduction to the physical, chemical and biological systems relating to the quality of water, land and air environments. Fundamental principles will be emphasized, current environmental pollution problems will be examined and methods of pollution abatement discussed.

0101	Krista Wigginton TuTh 8:00am - 9:15am	Seats (Total: 66) PLS 1130

ENCE320 **Introduction to Project Management**

ENCE320 *(PermReq)* **Introduction to Project Management; (3 credits)** Grade Method: REG/AUD.
Prerequisite: Permission of ENGR-Civil & Environmental Engineering department. Restriction: Must be in a major in ENGR-A. James Clark School of Engineering. A course designed to expose students to the techniques of engineering project management and to develop analytical skills necessary on the management side of engineering projects. Topics include economic analysis, project screening and selection, organizational and project structure, scheduling, budgeting, resource management, life cycle costing, and project control. Restricted to students in the College of Engineering.

0101	Scott Macrae	Seats (Total: 100)
	M 5:00pm - 7:30pm	CHE 2108

ENCE340 **Fundamentals of Geotechnical Engineering**

ENCE340 *(PermReq)* **Fundamentals of Geotechnical Engineering; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ENES220; and permission of ENGR-Civil & Environmental Engineering department. Introductory study of soils in civil engineering. Soil origin, phase relationships and classification schemes. Soil hydraulics: capillary, effective stress, permeability and seepage considerations. Basic stress distribution theories and soil consolidation-settlement analysis. Integration of shear strength evaluation with slope stability analysis. If time permits, topics such as applications in geoenvironmental engineering will be covered.

0101	Ahmet Aydilek	Seats (Total: 80)
	TuTh 9:30am - 10:45am	JMZ 0105

ENCE353 **Introduction to Structural Analysis**

ENCE353 *(PermReq)* **Introduction to Structural Analysis; (3 credits)** Grade Method: REG/AUD.
Prerequisite: Permission of ENGR-Civil & Environmental Engineering department; and (MATH246 and ENES220). The basic tools of structural analysis and design. Design loads. Equilibrium of external and internal forces. Shear and moment diagrams in beams and frames. Truss analysis. Influence line diagrams. The slope-deflection method and method of consistent deformation. Matrix stiffness methods for beams, frames and trusses. Restricted to students in the College of Engineering.

0101	Noah Blum	Seats (Total: 60)
	MWF 9:00am - 9:50am	CSI 2117

ENCE360 **Analysis of Civil Engineering Systems**

ENCE360 *(PermReq)* **Analysis of Civil Engineering Systems; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ENCE201 and MATH140; and permission of ENGR-Civil & Environmental Engineering department. Introduction to systems approach and systems analysis in civil and environmental engineering. Introduction to systems analysis tools that facilitate engineering management decision making including optimization and computer simulation. Introduction to linear and nonlinear mathematical optimization including linear and integer programming, elementary nonlinear programming and dynamic programming.

0101	Rafael Olarte Valdivieso	Seats (Total: 63)
	TuTh 9:30am - 10:45am	SQH 1119

ENCE370 **Introduction to Transportation Engineering and Planning**

ENCE370 *(PermReq)* **Introduction to Transportation Engineering and Planning; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: PHYS261, ENCE201, and PHYS260; and permission of ENGR-Civil & Environmental Engineering department. Engineering problems of transportation by highways, airways, pipelines, waterways, and railways. Transportation modes and technologies, vehicle dynamics, basic facility design, traffic stream models, capacity analysis, transportation planning, evaluation and choice, and network analysis. Restricted to students in the College of Engineering.

0101	Lei Zhang	Seats (Total: 60)
	MWF 1:00pm - 1:50pm	SPH 1303

ENCE411 **Environmental Engineering Science**

ENCE411 *(PermReq)* **Environmental Engineering Science; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ENCE310; and permission of ENGR-Civil & Environmental Engineering department. The basic physical, chemical and biological processes that occur in engineered and natural environmental systems will be discussed. Included will be presentation of parameters used to describe the quality of water, air and land. Measurement techniques will be discussed. A weekly lab will provide hands-on experience with environmental quality measurements and treatment techniques.

0101	Alba Torrents TuTh 11:00am - 11:50am W 10:00am - 1:00pm	Seats (Total: 12) EGR 3114 Location: TBA	 Lab
0102	Alba Torrents TuTh 11:00am - 11:50am W 1:00pm - 4:00pm	Seats (Total: 12) EGR 3114 Location: TBA	 Lab

ENCE420 **Selection and Utilization of Construction Equipment**

ENCE420 *(PermReq)* **Selection and Utilization of Construction Equipment; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: Permission of ENGR-Civil & Environmental Engineering department. And ENCE320; or students who have taken courses with similar or comparable course content may contact the department. Restriction: Senior standing. Construction equipment for excavation, hauling, lifting, structural assembly, paving, and allied functions. Fundamentals of equipment performance, productivity calculations, and cost management. Matching of construction tasks to appropriate construction equipment. Innovative technologies in equipment design and performance. Information technology and automation for construction equipment. Field demonstrations of earth-moving and lifting equipment.

0101	Miroslaw Skibniewski M 3:30pm - 6:00pm	Seats (Total: 45) EGR 1108	

ENCE422 **Project Cost Accounting and Economics**

ENCE422 *(PermReq)* **Project Cost Accounting and Economics; (3 credits)** Grade Method: REG/AUD.
Prerequisite: ENCE201; and permission of ENGR-Civil & Environmental Engineering department. Restriction: Must be in Engineering: Civil program; or Must be in Project Management minor; or permission of ENGR-Civil & Environmental Engineering department. Reviews the fundamentals of accounting; examines project cost accounting principles as they apply to project management; project cost accounting; reading financial statements; cash management; cash flow analysis; depreciation and taxes; and impact on profitability; examines the principles of activity based costing; net present value analysis; introduces the framework for project performance measurement, cost performance indices, and earned value analysis.

0101	Yujie Lu, Qingbin Cui, Qianli Deng Th 5:00pm - 7:30pm	Seats (Total: 100) CHE 2108

ENCE423 **Project Planning, Scheduling and Control**

ENCE423 *(PermReq)* **Project Planning, Scheduling and Control; (3 credits)** Grade Method: REG/AUD.
Prerequisite: Permission of ENGR-Civil & Environmental Engineering department. And ENCE320; or students who have taken courses with similar or comparable course content may contact the department. Restriction: Must be in Engineering: Civil program; or Must be in Project Management minor; or permission of ENGR-Civil & Environmental Engineering department. Students will learn the basics of project scheduling. Several methods will be covered including bar charts, network-based and linear scheduling. Emphasis will be placed on Critical Path Method (CPM) scheduling which is a network based methodology. Students will learn to use scheduling software and will develop a CPM schedule for an actual construction project as part of the semester project. Students will also learn the fundamental contractual aspects related to project schedules. Restricted to students in the College of Engineering.

0101	Kenneth O'Connell Tu 5:00pm - 7:30pm	Seats (Total: 100) CSI 1115

ENCE426 **Construction Documentation and BIM Applications in Engineering and Construction**

ENCE426 *(PermReq)* **Construction Documentation and BIM Applications in Engineering and Construction; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ENCE200; and permission of ENGR-Civil & Environmental Engineering department. Restriction: Must be in Engineering: Civil program; or Must be in Project Management Minor program; or permission of ENGR-Civil & Environmental Engineering department. Basics of construction documentation methods, with particular emphasis on Building Information Modeling (BIM). Assembly, coordination, and maintenance of construction documents and implementation of BIM techniques in the design and construction processes. Lectures from project management faculty supplemented by guest lecturers from the construction industry.

0101	Jason Dreher	Seats (Total: 40)
	W 5:00pm - 7:30pm	EGR 1108

ENCE432 **Ground Water Hydrology**

ENCE432 *(PermReq)* **Ground Water Hydrology; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ENCE305; and permission of ENGR-Civil & Environmental Engineering department. Concepts related to the development of the ground water resources, hydrology, hydrodynamics of flow through porous media, hydraulics of wells and basin-wide ground water development. Fundamentals of ground water pollution are introduced. Restricted to students in the College of Engineering.

0101	Yaron Sternberg	Seats (Total: 35)
	MWF 9:00am - 9:50am	EGR 2154

ENCE441 **Foundation Design**

ENCE441 *(PermReq)* **Foundation Design; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ENCE340; and permission of ENGR-Civil & Environmental Engineering department. Critical review of classical lateral earth pressure theories, analysis of retaining walls and reinforced earth walls, subsurface explorations, bearing capacity and settlement of shallow foundations, design of deep foundations that includes both pile foundations and drilled shafts. Restricted to students in the College of Engineering.

0101	Mohamed Aggour TuTh 2:00pm - 3:15pm	Seats (Total: 90) SYM 0200	

ENCE444 **Experimental Methods in Geotechnical Structural Engineering**

ENCE444 *(PermReq)* **Experimental Methods in Geotechnical Structural Engineering; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ENCE353 and ENCE340; and permission of ENGR-Civil & Environmental Engineering department. In the geotechnical engineering part of the course, major soils testing and their interpretation including classification, compaction, strength, and compressibility will be undertaken. The structural engineering part of this course covers test planning, loading apparatus, instrumentation, data acquisition and data analysis, as well as basic aspects of structural testing techniques and shake-table test. Prerequisites: ENCE340, ENCE353.

0101	Yunfeng Zhang, Ahmet Aydilek Tu 12:30pm - 1:30pm W 1:00pm - 4:00pm	Seats (Total: 30) EGR 0135 SPH 1302	 Lab
0102	Ahmet Aydilek, Yunfeng Zhang Tu 12:30pm - 1:30pm W 1:00pm - 4:00pm	Seats (Total: 30) EGR 0110 CHM 0115	 Lab

ENCE454 **Design of Concrete Structures**

ENCE454 *(PermReq)* **Design of Concrete Structures; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ENCE353; and permission of ENGR-Civil & Environmental Engineering department. Formerly: ENCE451. Combined bending and compression, development and anchorage of reinforcement, deflections, design of slabs including one-way and two-way, design of footings, retaining walls, introduction to prestressed concrete, design of multi-story buildings.

0101	Amde Amde MWF 11:00am - 11:50am	Seats (Total: 65) CSS 1113	
0201	Amde Amde MW 10:00am - 10:50am F 10:00am - 10:50am	Seats (Total: 35) CSS 2324 CSS 2428	

ENCE466 **Design of Civil Engineering Systems**

ENCE466 *(PermReq)* **Design of Civil Engineering Systems; (3 credits)** Grade Method: REG/AUD. CORE Capstone (CS) Course.
Prerequisite: Permission of ENGR-Civil & Environmental Engineering department. Restriction: Senior standing. Additional information: Must be taken in the semester in which the student graduates. A major civil engineering design experience that emphasizes development of student creativity, development and use of design methodologies, evaluation of alternate solutions, feasibility considerations, and detailed system descriptions. Realistic design constraints including economic factors, safety, aesthetics, and reliability will be imposed. Students will work in design project groups and be required to exercise oral and written communication skills. Restricted to students in the College of Engineering.

0101	Paul Schonfeld	Seats (Total: 40)
	TuTh 3:30pm - 4:45pm	EGR 0135

ENCE470 **Highway Engineering**

ENCE470 *(PermReq)* **Highway Engineering; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ENCE302 and ENCE370; and permission of ENGR-Civil & Environmental Engineering department. Highway location and design, highway engineering economics, traffic engineering, traffic measurement devices and technologies. Includes discussion of technological advances in traffic flow and capacity, such as signal systems, corridor control, automatic driver information, incident detection and autonomous vehicle operation. Restricted to students in the College of Engineering.

0101	Cinzia Cirillo	Seats (Total: 40)
	MWF 10:00am - 10:50am	EGR 1108

ENCE489 **Special Problems in Civil Engineering**

ENCE489 Special Problems in Civil Engineering; (1-4 credits) Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENCE489B **Special Problems in Civil Engineering; Land-Atmosphere Interactions in Hydrology**

ENCE489B Special Problems in Civil Engineering: Land-Atmosphere Interactions in Hydrology; (3 credits) Grade Method: REG/P-F/AUD.

0101	Barton Forman	Seats (Total: 5)
	TuTh 12:30pm - 1:45pm	EGR 3114

ENCE601 **Program and Portfolio Management**

ENCE601 Program and Portfolio Management; (3 credits) Grade Method: REG/AUD.
Restriction: Must be in one of the following programs (ENGR: MS/PhD-Civil Engineering (Master's); Master of Engineering-Project Mgmt (Master's); ENGR: MS/PhD-Civil Engineering (Doctoral); Master of Engineering (Master's)) ; or permission of ENGR-Civil & Environmental Engineering department. Credit only granted for: ENCE601 or ENCE688F. Formerly: ENCE688F. A view of managing projects from an organizational perspective will be presented. The principle areas of discussion will be strategic alignment, marshalling organizational assets through an enterprise project office, portfolio management, and program management. Using a case study approach, students will explore the importance of using organizational strategies to align projects, how to use an enterprise project office as a governance process, and apply practices to create portfolios and programs to leverage organizational assets. Principle topics will include establishing a governance process, project selection techniques, project portfolio methodology, and application of project practices to program management.

PM01	Alaa Zeitoun	Seats (Total: 20)
	Class time/details on ELMs	ONLINE
	Weekly video conferences: Thursday 6:00-7:00pm.	

ENCE603 **Management Science Applications in Project Management**

ENCE603 Management Science Applications in Project Management; (3 credits) Grade Method: REG.
The fundamentals of management science techniques in project management including: linear and integer programming, multi-objective optimization, simulation, decision analysis, Analytic Hierarchy Process (AHP), deterministic and stochastic dynamic programming. Applications will be drawn from the Critical Path Method (CPM), resource management, and other areas of Project Management.

0101	Steven Gabriel Tu 2:00pm - 4:30pm	Seats (Total: 25) JMP 2217
PM01	Steven Gabriel Class time/details on ELMs *Weekly Videoconference: To Be Arranged.*	Seats (Total: 20) ONLINE

ENCE610 **Fundamentals of Structural Analysis**

ENCE610 Fundamentals of Structural Analysis; (3 credits) Grade Method: REG/AUD.
Cartesian tensor notation. Linear forms of the general equilibrium, compatability, and constitutive equations. The calculus of variations. The principles of virtual work and complementary virtual work. Self-adjoint problem formulations.

0101	Peter Chang TuTh 3:30pm - 4:45pm	Seats (Total: 25) EGR 1102

ENCE611 **Finite Element Methods**

ENCE611 Finite Element Methods; (3 credits) Grade Method: REG/AUD.
Formerly: ENCE661. Basic principles and fundamental concepts of the finite element method. Consideration of geometric and material nonlinearities, convergence, mesh gradation and computational procedures in analysis. Applications to plane stress and plane strain, plates and shells, eigenvalue problems, axisymmetric stress analysis, and other problems in civil engineering.

0101	Brian Phillips MW 3:30pm - 4:45pm	Seats (Total: 20) EGR 1110

ENCE621 **Uncertainty Modeling and Analysis**

ENCE621 Uncertainty Modeling and Analysis; (3 credits) Grade Method: REG/AUD.
Prerequisite: ENCE302; or students who have taken courses with similar or comparable course content may contact the department. Definition of engineering systems, knowledge levels using information science concepts as applied to engineering systems, sources and types of knowledge and ignorance, uncertainty sources and types for engineering systems, probability models, statistical models, fuzziness, fuzzy sets, fuzzy logic, fuzzy arithmetic, imprecise probabilities, evidence methods, uncertainty measures, uncertainty management, uncertainty reduction, applications of these analytical methods to engineering systems and in decision making.

0101	Bilal Ayyub M 5:00pm - 7:30pm	Seats (Total: 25) EGR 1104

ENCE626 **Web-based Project Management**

ENCE626 Web-based Project Management; (3 credits) Grade Method: REG/AUD.
Prerequisite: ENCE662. The use of IT tools, in particular the Web, is increasingly becoming the primary instrument for conducting the day-to-day tasks of engineering project management. Traditional client-server based technologies and applications can now be replaced by a web-centric, collaborative, electronic workplace. This course examines the use of Internet and Intranet based project management in the context of collaboration, decision making and information exchange, and presents a systematic understanding of the principle issues in Web based tools- ease of use, efficient decision making, and cost effectiveness. The course will use project case histories as part of a team project.

0101	Miroslaw Skibniewski W 6:00pm - 8:30pm	Seats (Total: 25) JMP 2217
PM01	Miroslaw Skibniewski W 6:00pm - 8:30pm	Seats (Total: 30) ONLINE

ENCE627 **Project Risk Management**

ENCE627 Project Risk Management; (3 credits) Grade Method: REG.
Restriction: Must not have completed ENCE627. Introduction to identifying, analyzing, assessing, and managing risks inherent to engineering projects. Includes: probability modeling, choice and value theory, schedule and cost risk, risk mitigation and transfer, and contract considerations of project risk. Examples are drawn from construction, software development, systems integration, and other large engineering projects; and cover probability basics, subjective probability, statistical data analysis, introduction to decision theory, Monte Carlo simulation, value of information, and risk-based decision making.

0101	Gregory Baecher Th 3:30pm - 6:00pm	Seats (Total: 25) JMP 2217

ENCE630 **Environmental and Water Resource Systems I**

ENCE630 Environmental and Water Resource Systems I; (3 credits) Grade Method: REG/AUD.
Application of statistical and systems engineering techniques in the analysis of information necessary for the design or characterization of environmental or hydrologic processes; emphasis on the fundamental considerations that control the design of information collection programs, data interpretation, and the evolution of simulation models used to support the decision-making process.

0101	Richard McCuen MWF 9:00am - 9:50am	Seats (Total: 20) EGR 1104

ENCE637 **Biological Principles of Environmental Engineering**

ENCE637 Biological Principles of Environmental Engineering; (3 credits) Grade Method: REG/AUD.
An examination of biological principles directly affecting man and his environment, with particular emphasis on microbiological interactions in environmental engineering related to air, water and land systems; microbiology and biochemistry of aerobic and anaerobic treatment processes for aqueous wastes.

0101	Wendell Khunjar Tu 6:00pm - 8:45pm	Seats (Total: 20) CHE 2116

ENCE640 **Advanced Soil Mechanics**

ENCE640 Advanced Soil Mechanics; (3 credits) Grade Method: REG/AUD.
Prerequisite: ENCE340; or students who have taken courses with similar or comparable course content may contact the department. Introduction to the use of elastic theory in stress and displacement solutions to geotechnical engineering (soil and rock mechanics). The effect of soil moisture (at rest) relative to effective stress principles, capillary and frost. Exact and numeric techniques for the analysis for soil seepage under isotropic and anisotropic conditions. Classical settlement (consolidation) and compressiblility theories, including finite difference solution for vertical and radial drainage.

0101	Charles Schwartz Tu 5:00pm - 7:30pm	Seats (Total: 25) EGR 1102

ENCE650 **Process Dynamics in Environmental Systems**

ENCE650 Process Dynamics in Environmental Systems; (3 credits) Grade Method: REG/AUD.
Formerly: ENCE636. The fundamentals of heterogeneous equilibria, rates of environmental reactions, and flow and material transport or presented. Applications of these principles will be presented to small and large scale environmental problems involving liquid, gas, and solid phases. Both natural and engineered environmental systems will be examined.

0101	Allen Davis TuTh 9:30am - 10:45am	Seats (Total: 20) CHE 2116

ENCE651 **Chemistry of Natural Waters**

ENCE651 Chemistry of Natural Waters; (3 credits) Grade Method: REG/AUD.
Credit only granted for: ENCE633 or ENCE651. Formerly: ENCE633. Application of principles from chemical thermodynamics and kinetics to the study and interpretation of the chemical composition of natural waters is rationalized by considering metal ion solubility controls, pH, carbonate equilibria, adsorption reactions, redox reactions and the kinetics of oxygenation reactions which occur in natural water environments.

0101	Alba Torrents TuTh 8:00am - 9:15am	Seats (Total: 20) CHE 2116

ENCE661 **Project Cost Accounting and Finance**

ENCE661 Project Cost Accounting and Finance; (3 credits) Grade Method: REG/AUD.

This course reviews the fundamentals of accounting; examines project cost accounting principles, applications, and impact on profitability; examines the principles of activity based costing; covers the elements involved in cash management; introduces the framework for how projects are financed and the potential impact financing has on the projects; and a framework for evaluating PC based systems and what resources are needed for an effective project cost system.

0101	Maegan Helble, James Myers **Meets August 29, 2012 - December 11, 2012** W 3:30pm - 6:10pm	Seats (Total: 54) JMP 2121
PM01	Maegan Helble, James Myers Contact instructor or department for details.	Seats (Total: 30)

ENCE662 **Introduction to Project Management**

ENCE662 Introduction to Project Management; (3 credits) Grade Method: REG/AUD.

Introduction to project management including: overview and concepts of project management (principles, body of knowledge, strategies); planning successful projects (defining, specifying, delivery options, scheduling, budgeting); implementing (organizing the team, work assignments, team building, effective leadership); executing (performance measurement, maintaining the schedule, adjustments/mid-course corrections, record keeping, status reporting, communications, managing conflict, time management); and closeout(performance measurement, maintaining the schedule, adjustments/mid-course corrections, record keeping, status reporting, communications, managing conflict, time management).

0101	Man Cheung, John Cable M 6:00pm - 8:40pm	Seats (Total: 54) JMP 2121
PM01	John Cable Class time/details on ELMs	Seats (Total: 30) ONLINE
	Weekly video conference: Thursday 7:00am to 8:00am or Thursday 8:00pm to 9:00pm.	

ENCE664 **Legal Aspects of Engineering Design and Construction**

ENCE664 Legal Aspects of Engineering Design and Construction; (3 credits) Grade Method: REG/AUD.
Prerequisite: Permission of ENGR-Civil & Environmental Engineering department. Examines ways in which the legal system affects the design and construction process. Focuses on contract types and the relationships between the parties in different delivery systems. Covers basics of procurement protocols along with negotiating techniques and strategies. Topics include contract law, the relationships between the parties, tort and negligence law, and the statutory principles affecting construction. Weekly video conference after 7:50 p.m.

PM01	Mark Groff Class time/details on ELMs *Weekly video conference: Tuesday 8-9 p.m.*	Seats (Total: 35) ONLINE

ENCE665 **Management of Project Teams**

ENCE665 *(PermReq)* **Management of Project Teams; (3 credits)** Grade Method: REG/AUD.
Restriction: Must be in a major in ENGR-A. James Clark School of Engineering; and permission of ENGR-A. James Clark School of Engineering. Experience has shown that really excellent project managers are not only technically competent but that they have above average skills in human relations and communications. The course will prepare project managers to optimize the utilization of their most important resource: people. Relying primarily on a wide range of research and experience in the Project Team, this course will help guide project managers in building the other skills needed to be truly successful in the competitive Project Team.

0101	Jocelyn Davis, Kathryn Britton Th 6:00pm - 8:30pm	Seats (Total: 25) JMP 2217
PM01	Jocelyn Davis, Kathryn Britton Class time/details on ELMs *Weekly video conference: Monday or Tuesday 7-8 p.m.*	Seats (Total: 25) ONLINE

ENCE666 **Cost Engineering and Control**

ENCE666 Cost Engineering and Control; (3 credits) Grade Method: REG/AUD. Analytic techniques to estimate and control project costs, including site investigation, quantity takeoff, work analysis and bid preparation. Systematic cost control as related to job production and historical data.

0101	Neil Schulman Tu 6:00pm - 8:30pm	Seats (Total: 25) JMP 2217
PM01	Neil Schulman **Meets August 29, 2012 - December 5, 2012** Class time/details on ELMs *Weekly video conferences: Wednesday 7:00-7:50.*	Seats (Total: 30) ONLINE

ENCE667 **Project Performance Measurement**

ENCE667 Project Performance Measurement; (3 credits) Grade Method: REG/AUD.
Prerequisite: Permission of ENGR-Civil & Environmental Engineering department.
Examination of various techniques and models used to measure the performance of projects. Topics will include: Critical Path Method (CPM), Program Evaluation Review Technique (PERT), Gantt charts, project crashing, resource management, capital allocation, forecasting, hypothesis testing, regression analysis, learning curve analysis, goal programming, Monte Carlo simulation, the Analytic Hierarchy Process (AHP), Pareto optimality and tradeoff curves as well as basics in linear programming and uncertainity modeling.

PM01	Gregory Baecher **Meets August 29, 2012 - December 5, 2012** Class time/details on ELMs *Weekly video conferences: Thursday 8:00-9:00am or 7:00-8:00pm.*	Seats (Total: 30) ONLINE

ENCE670 **Highway Traffic Characteristics and Measurements**

ENCE670 Highway Traffic Characteristics and Measurements; (3 credits) Grade Method: REG/AUD.
Prerequisite: ENCE470; or permission of instructor. The study of the fundamental traits and behavior patterns of road users and their vehicles in traffic. The basic characteristics of the pedestrian, the driver, the vehicle, traffic volume and speed, stream flow and intersection operation, parking, and accidents.

0101	Charles Liu Th 5:00pm - 7:30pm	Seats (Total: 30) EGR 2116

ENCE672 **Regional Transportation Planning**

ENCE672 Regional Transportation Planning; (3 credits) Grade Method: REG/AUD.
Prerequisite: ENCE 471 or permission of instructor. Factors involved and the components of the process for planning statewide and regional transportation systems, encompassing all modes. Transportation planning studies, statewide traffic models, investment models, programming and scheduling.

0101	Paul Schonfeld Tu 5:00pm - 7:30pm	Seats (Total: 35) EGR 0108

ENCE677 **OR Models for Transportation Systems Analysis**

ENCE677 OR Models for Transportation Systems Analysis; (3 credits) Grade Method: REG/AUD.
Fundamental skills and concepts of the quantitative techniques of operations research including: mathematical modeling, linear programming, integer programming, network optimization (shortest paths, minimum spanning trees, minimum cost network flows, maximum flows), heuristics, and basics of probabilistic modeling. Emphasis on the application of these techniques to problems arising in transportation.

0101	Elise Miller-Hooks MW 12:00pm - 1:15pm	Seats (Total: 25) JMP 1202

ENCE688B **Advanced Topics in Civil Engineering; Land-Atmosphere Interactions in Hydrology**

ENCE688B Advanced Topics in Civil Engineering: Land-Atmosphere Interactions in Hydrology; (3 credits) Grade Method: REG/AUD.

0101	Barton Forman	Seats (Total: 20)
	TuTh 12:30pm - 1:45pm	EGR 3114

ENCE688J **Advanced Topics in Civil Engineering; Contemporary Water Resources Management**

ENCE688J Advanced Topics in Civil Engineering: Contemporary Water Resources Management; (3 credits) Grade Method: REG/AUD.
Also offered as PUAF798J. Credit will granted for one of the following: ENCE688J, ENPP620, or PUAF798J.

0101	Gerald Galloway	Seats (Total: 24)
	Tu 5:00pm - 7:30pm	EGR 2154

ENCE688L **Advanced Topics in Civil Engineering; Computational Methods for Transportation Demand Analysis**

ENCE688L Advanced Topics in Civil Engineering: Computational Methods for Transportation Demand Analysis; (3 credits) Grade Method: REG/AUD.
Prerequisites: ENCE688I; and good programming skills (C;C++). Emerging methods for transportation demand analysis: discrete-continuous models, dynamic discrete choice models and behavioural economics. The class proposes a review of the state-of-the art in transportation and related disciplines and an in-depth discussion about the complex computational issues associated with advanced demand models.

0101	Cinzia Cirillo	Seats (Total: 10)
	M 12:00pm - 2:30pm	EGR 3106

ENCE688P **Advanced Topics in Civil Engineering; Advanced Water Treatment Technology**

ENCE688P Advanced Topics in Civil Engineering: Advanced Water Treatment Technology; (3 credits) Grade Method: REG/AUD.

0101	Baoxia Mi	Seats (Total: 15)
	W 10:00am - 12:30pm	EGR 0135

ENCE688Y **Advanced Topics in Civil Engineering; Research Methodology Seminar**

ENCE688Y Advanced Topics in Civil Engineering: Research Methodology Seminar; (1 credit) Grade Method: REG.

0101	Qingbin Cui, Gregory Baecher F 3:00pm - 4:00pm	Seats (Total: 20) JMP 2217
PM01	Gregory Baecher, Qingbin Cui Class time/details on ELMs *Weekly Videoconference: Friday 8:00 - 9:00 am.*	Seats (Total: 15) ONLINE

ENCE689 **Seminar**

ENCE689 Seminar; (1-16 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Majors only. Other majors require permission of department.

Contact department for information to register for this course.

ENCE741 **Earth Retaining Structures**

ENCE741 Earth Retaining Structures; (3 credits) Grade Method: REG/AUD. Introduction to types and uses of earth retaining structures, and lateral earth pressure concepts and theories. Analysis and design of retaining walls and shoring structures and their bracing systems. These include conventional retaining walls, mechanically stabilized earth walls, cantilever and anchored sheet piling, cellular cofferdams, braced cuts, soil nailing, and the design of tiebacks and anchors. Load and resistance factor design concept will be presented.

0101	Mohamed Aggour Th 5:00pm - 7:30pm	Seats (Total: 35) EGR 0108

ENCE799 **Master's Thesis Research**

ENCE799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
Majors only. Other majors require permission of department.

Contact department for information to register for this course.

ENCE898 **Pre-Candidacy Research**

ENCE898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENCE899 **Doctoral Dissertation Research**

ENCE899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
Majors only. Other majors require permission of department.

Contact department for information to register for this course.

ENCH Engineering, Chemical Fall 2012

ENCH333 **Chemical Engineering Seminar**

ENCH333 *(PermReq)* **Chemical Engineering Seminar; (1 credit)** Grade Method: REG/P-F/AUD.
Restriction: Junior standing or higher. Oral and written reports on recent developments in chemical engineering and the process industries.

0101	William Weigand W 12:00pm - 12:50pm	Seats (Total: 15) EGR 3111	
0102	William Weigand W 10:00am - 10:50am	Seats (Total: 15) EGR 3111	

ENCH437 **Chemical Engineering Laboratory**

ENCH437 *(PermReq)* **Chemical Engineering Laboratory; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ENCH440, ENCH424, ENCH442, and ENCH426. Application of chemical engineering process and unit operation principles in small-scale semi-commercial equipment. Data from experimental observations are used to evaluate performance and efficiency of operations. Emphasis on correct presentation of results in report form.

0101	Amy Karlsson, Chunsheng Wang Th 1:00pm - 5:00pm Th 11:00am - 12:15pm	Seats (Total: 25) CHE 1145 JMP 2202	 Lab Discussion
0201	Amy Karlsson, Chunsheng Wang Tu 1:00pm - 5:00pm Tu 5:00pm - 6:15pm	Seats (Total: 25) CHE 1145 CHE 2136	 Lab Discussion

0301	Chunsheng Wang, Amy Karlsson	Seats (Total: 25)	
	M 1:00pm - 5:00pm	CHE 1145	Lab
	M 11:00am - 12:15pm	CHE 2136	Discussion

ENCH444 **Process Engineering Economics and Design I**

ENCH444 *(PermReq)* **Process Engineering Economics and Design I; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ENCH426, ENCH440, and ENCH424. Principles of chemical engineering economics and process design. Emphasis on equipment types, equipment design principles, capital cost estimation, operating costs, and profitability.

0101	William Weigand	Seats (Total: 70)
	MWF 9:00am - 9:50am	CHE 2108

ENCH468 **Research**

ENCH468 *(PermReq)* **Research; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENCH468C **Research; Process Control and Optimization**

ENCH468C Research: Process Control and Optimization; (3 credits) Grade Method: REG/P-F/AUD.

0101	William Weigand	Seats (Total: 30)
	MWF 11:00am - 11:50am	JMP 2202

ENCH468M **Research; Metabolic Pathway Engineering**

ENCH468M Research: Metabolic Pathway Engineering; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as BIOE489L, BIOE689L, and ENCH648M. Credit will be granted for one of the following: BIOE489L, BIOE689L, ENCH468M, or ENCH648M.

0101	Ganesh Sriram	Seats (Total: 40)
	MW 5:00pm - 6:15pm	CHE 2136

ENCH468W **Research; Transport Phenomena in Small and Biological Systems**

ENCH468W Research: Transport Phenomena in Small and Biological Systems; (3 credits) Grade Method: REG/P-F/AUD.

0101	Panagiotis Dimitrakopoulos	Seats (Total: 35)
	MW 3:00pm - 4:15pm	CHM 0119

ENCH490 **Introduction to Polymer Science**

ENCH490 *(PermReq)* **Introduction to Polymer Science; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ENCH440 and ENCH424. Also offered as: ENMA495. Credit only granted for: ENCH490 or ENMA495. The elements of the chemistry, physics, processing methods, and engineering applications of polymers.

0101	Kyu Yong Choi	Seats (Total: 30)
	TuTh 9:30am - 10:45am	EGR 2154

ENCH609 **Graduate Seminar**

ENCH609 *(PermReq)* **Graduate Seminar; (1 credit)** Grade Method: REG/AUD.

0101	Jeffery Klauda	Seats (Total: 35)
	F 10:00am - 10:50am	CHE 2110

ENCH610 **Chemical Engineering Thermodynamics**

ENCH610 Chemical Engineering Thermodynamics; (3 credits) Grade Method: REG/AUD.
Advanced application of the general thermodynamic methods to chemical engineering problems. First and second law consequences; estimation and correlation of thermodynamic properties; phase and chemical reaction equilibria.

0101	Mikhail Anisimov	Seats (Total: 35)
	TuTh 3:30pm - 4:45pm	EGR 3106

ENCH620 **Methods of Engineering Analysis**

ENCH620 Methods of Engineering Analysis; (3 credits) Grade Method: REG/AUD. Application of selected mathematical techniques to the analysis and solution of engineering problems; included are the applications of matrices, vectors, tensors, differential equations, integral transforms, and probability methods to such problems as unsteady heat transfer, transient phenomena in mass transfer operations, stagewise processes, chemical reactors, process control, and nuclear reactor physics.

0101	Nam Sun Wang	Seats (Total: 35)
	TuTh 5:00pm - 6:15pm	CHE 2118

ENCH648 **Special Problems in Chemical Engineering**

ENCH648 *(PermReq)* **Special Problems in Chemical Engineering; (1-16 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENCH648M **Special Problems in Chemical Engineering; Metabolic Pathway Engineering**

ENCH648M Special Problems in Chemical Engineering: Metabolic Pathway Engineering; (3 credits) Grade Method: REG/AUD.
Also offered as BIOE489L, BIOE689L, and ENCH468M. Credit will be granted for one of the following: BIOE489L, BIOE689L, ENCH468M, or ENCH648M.

0101	Ganesh Sriram	Seats (Total: 40)
	MW 5:00pm - 6:15pm	CHE 2136

ENCH648W **Special Problems in Chemical Engineering; Transport Phenomena in Small and Biological Systems**

ENCH648W Special Problems in Chemical Engineering: Transport Phenomena in Small and Biological Systems; (3 credits) Grade Method: REG/AUD.
Also offered as CHPH618W.

0101	Panagiotis Dimitrakopoulos	Seats (Total: 10)
	MW 3:00pm - 4:15pm	CHM 0119

ENCH799 **Master's Thesis Research**

ENCH799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENCH898 **Pre-Candidacy Research**

ENCH898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENCH899 **Doctoral Dissertation Research; Chemical Engineering**

ENCH899 *(PermReq)* **Doctoral Dissertation Research: Chemical Engineering; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENCO Engineering, Cooperative Education — Fall 2012

ENCO099 **Co-Op/Intern Work Experience**

ENCO099 *(PermReq)* **Co-Op/Intern Work Experience; (No credit)** Grade Method: S-F.
If dropping course, see Withdrawal and Refund of Fees - Special Refund Deadlines in the Financial Information section of the Schedule of Classes.

0101	Heidi Sauber, Veronica Perrigan	Seats (Total: 200)
	Contact instructor or department for details.	

ENEE Electrical & Computer Engineering — Fall 2012

ENEE140 **Introduction to Programming Concepts for Engineers**

ENEE140 *(PermReq)* **Introduction to Programming Concepts for Engineers; (2 credits)** Grade Method: REG.
Prerequisite: Permission of ENGR-Electrical & Computer Engineering department. Restriction: Must be in Engineering: Electrical program. Introduction to the programming environment: editing, compiling, UNIX, data types and variable scope; program selection, formatted/unformatted input/output, repetition, functions, arrays and strings.

0101	Gang Qu Tu 11:00am - 12:15pm WF 9:00am - 9:50am	Seats (Total: 12) CSS 1113 AVW 2446	Discussion
0102	Gang Qu Tu 11:00am - 12:15pm WF 10:00am - 10:50am	Seats (Total: 12) CSS 1113 AVW 2446	Discussion
0103	Gang Qu Tu 11:00am - 12:15pm WF 11:00am - 11:50am	Seats (Total: 12) CSS 1113 AVW 2446	Discussion
0104	Gang Qu Tu 11:00am - 12:15pm WF 12:00pm - 12:50pm	Seats (Total: 12) CSS 1113 AVW 2446	Discussion
0105	Gang Qu Tu 11:00am - 12:15pm WF 1:00pm - 1:50pm	Seats (Total: 12) CSS 1113 AVW 2446	Discussion
0106	Gang Qu Tu 11:00am - 12:15pm WF 2:00pm - 2:50pm	Seats (Total: 12) CSS 1113 AVW 2446	Discussion
0107	Gang Qu Tu 11:00am - 12:15pm WF 12:00pm - 12:50pm	Seats (Total: 0) CSS 1113 KEB 2107	Discussion

ENEE150 **Intermediate Programming Concepts for Engineers**

ENEE150 *(PermReq)* **Intermediate Programming Concepts for Engineers; (3 credits)** Grade Method: REG.
Prerequisite: ENEE140. Or permission of ENGR-Electrical & Computer Engineering department; and (Score of 5 on the A Java AP exam; or Score of 4 or 5 on the AB Java AP exam; or Satisfactory performance on the department's placement exam). Corequisite: Concurrently enrolled in MATH140. Restriction: Must be in Engineering: Electrical program. Credit only granted for: ENEE114 or ENEE150. Formerly: ENEE114. Advanced programming concepts: coding conventions and style; pointers; dynamic memory allocation and data structures; linked lists; graphs; abstract data types; object-oriented design. There will be team-based software projects and group presentations.

0101	Donald Yeung MW 11:00am - 12:15pm F 9:00am - 9:50am	Seats (Total: 12) SPH 1301 AVW 1442	Discussion
0102	Donald Yeung MW 11:00am - 12:15pm F 10:00am - 10:50am	Seats (Total: 12) SPH 1301 AVW 1442	Discussion
0103	Donald Yeung MW 11:00am - 12:15pm F 11:00am - 11:50am	Seats (Total: 12) SPH 1301 AVW 1442	Discussion
0104	Donald Yeung MW 11:00am - 12:15pm F 1:00pm - 1:50pm	Seats (Total: 12) SPH 1301 AVW 1442	Discussion
0105	Donald Yeung MW 11:00am - 12:15pm F 12:00pm - 12:50pm	Seats (Total: 12) SPH 1301 AVW 1442	Discussion

ENEE200 **Social and Ethical Dimensions of Engineering Technology**

ENEE200 Social and Ethical Dimensions of Engineering Technology; (3 credits)
Grade Method: REG. CORE Interdisciplinary & Emerging Issues (IE) Course. *Restriction: Sophomore standing or higher.* Designed for both engineering and non-engineering students wishing to explore and assess the impact of engineering technology on society and the role of society in generating that technology. Special emphasis is placed on the interplay of diverse and often conflicting personal and collective values in both the development and implementation of new technologies. These subjects touch on many areas of interest including ethics, politics, business, the law, and society.

0101	Wesley Lawson TuTh 12:30pm - 1:20pm W 2:00pm - 3:50pm	Seats (Total: 16) CCC 1205 EGR 3111	Discussion
0102	Wesley Lawson TuTh 12:30pm - 1:20pm F 11:00am - 12:50pm	Seats (Total: 16) CCC 1205 EGR 3111	Discussion
0103	Wesley Lawson TuTh 12:30pm - 1:20pm M 2:00pm - 3:50pm	Seats (Total: 16) CCC 1205 ANS 0402	Discussion
0201	Betsy Mendelsohn MW 2:00pm - 2:50pm F 10:00am - 11:50am	Seats (Total: 15) CCC 1205 EGR 1110	Discussion
0202	Betsy Mendelsohn MW 2:00pm - 2:50pm F 11:00am - 12:50pm	Seats (Total: 16) CCC 1205 EGR 1108	Discussion
0203	Betsy Mendelsohn MW 2:00pm - 2:50pm F 12:00pm - 1:50pm	Seats (Total: 16) CCC 1205 EGR 1102	Discussion
0204	Betsy Mendelsohn MW 2:00pm - 2:50pm F 1:00pm - 2:50pm	Seats (Total: 16) CCC 1205 EGR 3114	Discussion
0205	Betsy Mendelsohn MW 2:00pm - 2:50pm F 2:00pm - 3:50pm	Seats (Total: 16) CCC 1205 EGR 3102	Discussion

ENEE205 **Electric Circuits**

ENEE205 *(PermReq)* **Electric Circuits; (4 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: Minimum grade of C- in PHYS260; and permission of ENGR-Electrical & Computer Engineering department. Corequisite: Concurrently enrolled in MATH246. Restriction: Must be in one of the following programs (Engineering: Computer; Engineering: Electrical). Credit only granted for: ENEE204 or ENEE205. Formerly: ENEE204.* Design, analysis, simulation, construction and evaluation of electric circuits. Terminal Relationships. Kirchoff's laws. DC and AC steady state analysis. Node and mesh methods. Thevenin and Nortor equivalent circuits. Transient behavior of first- and second-order circuits. Frequency response and transfer functions. Ideal op-amp circuits. Diode and transistor circuits.

0101	Wesley Lawson TuTh 9:30am - 10:45am M 10:00am - 11:50am W 11:00am - 11:50am	Seats (Total: 12) KEB 1110 AVW 1356 EGR 3111	 Lab Discussion
0103	Wesley Lawson TuTh 9:30am - 10:45am M 12:00pm - 1:50pm W 1:00pm - 1:50pm	Seats (Total: 12) KEB 1110 AVW 1356 EGR 3111	 Lab Discussion
0104	Wesley Lawson TuTh 9:30am - 10:45am W 8:00am - 9:50am M 9:00am - 9:50am	Seats (Total: 12) KEB 1110 AVW 1356 EGR 3111	 Lab Discussion
0106	Wesley Lawson TuTh 9:30am - 10:45am F 9:00am - 10:50am M 10:00am - 10:50am	Seats (Total: 12) KEB 1110 AVW 1356 EGR 3111	 Lab Discussion
0107	Wesley Lawson TuTh 9:30am - 10:45am Tu 11:00am - 12:50pm Th 11:00am - 11:50am	Seats (Total: 12) KEB 1110 AVW 1356 CHE 2140	 Lab Discussion

ENEE222 **Elements of Discrete Signal Analysis**

ENEE222 *(PermReq)* **Elements of Discrete Signal Analysis; (4 credits)** Grade Method: REG.
Prerequisite: Minimum grade of C- in MATH141; and permission of ENGR-Electrical & Computer Engineering department. Restriction: Must be in one of the following programs (Engineering: Electrical; Engineering: Computer). Credit only granted for: ENEE222, ENEE241, or MATH242. Formerly: ENEE241. Discrete-time and continuous-time signals, sampling. Linear transformers, orthogonal projections. Discrete Fourier Transform and its properties. Fourier Series. Introduction to discrete-time linear filters in both time and frequency domains.

0101	Gilmer Blankenship	Seats (Total: 25)	
	MW 12:30pm - 1:45pm	PLS 1130	
	Th 9:00am - 9:50am	KEB 2107	Lab
	Tu 9:00am - 9:50am	KEB 2107	Discussion
0103	Gilmer Blankenship	Seats (Total: 25)	
	MW 12:30pm - 1:45pm	PLS 1130	
	Th 10:00am - 10:50am	KEB 2107	Lab
	Tu 10:00am - 10:50am	KEB 2107	Discussion
0201	Richard La	Seats (Total: 25)	
	TuTh 3:30pm - 4:45pm	CSI 3117	
	F 10:00am - 10:50am	KEB 2107	Lab
	W 10:00am - 10:50am	KEB 2107	Discussion
0202	Richard La	Seats (Total: 25)	
	TuTh 3:30pm - 4:45pm	CSI 3117	
	F 11:00am - 11:50am	KEB 2107	Lab
	W 11:00am - 11:50am	KEB 2107	Discussion

ENEE244 **Digital Logic Design**

ENEE244 *(PermReq)* **Digital Logic Design; (3 credits)** Grade Method: REG. *Prerequisite: Permission of ENGR-Electrical & Computer Engineering department. Corequisite: Concurrently enrolled in ENEE150; or concurrently enrolled in CMSC131. Restriction: Sophomore standing or higher; and must be in one of the following programs (Engineering: Computer; Engineering: Electrical).* The design and analysis of combinational and synchronous sequential systems comprising digital logic gates and flip-flop memory devices; underlying tools such as switching and Boolean algebras and Karnaugh map simplification of gate networks; design and use of decoders, multiplexers, encoders, adders, registers, counters, sequence recognizers, programmable logic arrays (PLAs), read-only memories (ROMS, PROMS), and similar devices. Arbitrary radix conversion. Engineering College only (04).

0101	Joseph JaJa MW 3:30pm - 4:45pm Th 11:00am - 11:50am	Seats (Total: 12) EGR 0108 MTH 2300	 Discussion
0102	Joseph JaJa MW 3:30pm - 4:45pm Th 10:00am - 10:50am	Seats (Total: 12) EGR 0108 EGR 3111	 Discussion
0103	Joseph JaJa MW 3:30pm - 4:45pm Th 11:00am - 11:50am	Seats (Total: 12) EGR 0108 JUL 1105	 Discussion
0201	Charles Silio TuTh 2:00pm - 3:15pm M 9:00am - 9:50am	Seats (Total: 12) CHE 2118 CHE 2140	 Discussion
0202	Charles Silio TuTh 2:00pm - 3:15pm M 11:00am - 11:50am	Seats (Total: 12) CHE 2118 EGR 3111	 Discussion
0203	Charles Silio TuTh 2:00pm - 3:15pm M 12:00pm - 12:50pm	Seats (Total: 0) CHE 2118 EGR 3111	 Discussion
0204	Charles Silio TuTh 2:00pm - 3:15pm M 1:00pm - 1:50pm	Seats (Total: 12) CHE 2118 EGR 3111	 Discussion

ENEE245 **Digital Circuits and Systems Laboratory**

ENEE245 *(PermReq)* **Digital Circuits and Systems Laboratory; (2 credits)** Grade Method: REG.

Prerequisite: Minimum grade of C- in ENEE244. And minimum grade of C- in ENEE150; or minimum grade of C- in CMSC132. And permission of ENGR-Electrical & Computer Engineering department. Restriction: Must be in one of the following programs (Engineering: Electrical; Engineering: Computer). Introduction to basic measurement techniques and electrical laboratory equipment (power supplies, oscilloscopes, voltmeters, etc.). Design, construction, and characterization of digital circuits containing logic gates, sequential elements, oscillators, and digital integrated circuits. Introduction to digital design and simulation with the Verilog Hardware Description Language (HDL).

0101	Manoj Franklin W 9:00am - 9:50am M 2:00pm - 4:50pm	Seats (Total: 12) CSI 3117 AVW 1450	 Lab
0102	Manoj Franklin W 9:00am - 9:50am Tu 8:00am - 10:50am	Seats (Total: 12) CSI 3117 AVW 1450	 Lab
0103	Manoj Franklin W 9:00am - 9:50am W 10:00am - 12:50pm	Seats (Total: 12) CSI 3117 AVW 1450	 Lab
0104	Manoj Franklin W 9:00am - 9:50am Th 11:00am - 1:50pm	Seats (Total: 12) CSI 3117 AVW 1450	 Lab
0105	Manoj Franklin W 9:00am - 9:50am F 2:00pm - 4:50pm	Seats (Total: 12) CSI 3117 AVW 1450	 Lab
0201	Kazuo Nakajima W 10:00am - 10:50am Tu 1:00pm - 3:50pm	Seats (Total: 12) CHE 2118 AVW 1450	 Lab
0202	Kazuo Nakajima W 10:00am - 10:50am W 1:00pm - 3:50pm	Seats (Total: 12) CHE 2118 AVW 1450	 Lab

0203	Kazuo Nakajima W 10:00am - 10:50am Th 8:00am - 10:50am	Seats (Total: 12) CHE 2118 AVW 1450	 Lab
0205	Kazuo Nakajima W 10:00am - 10:50am F 11:00am - 1:50pm	Seats (Total: 12) CHE 2118 AVW 1450	 Lab

ENEE303 **Analog and Digital Electronics**

ENEE303 *(PermReq)* **Analog and Digital Electronics; (3 credits)** Grade Method: REG.

Prerequisite: Must have earned a minimum grade of regular (letter) C- in all required 200-level ENEE courses; and permission of ENGR-Electrical Computer Engineering department. Restriction: Must be in one following programs (Engineering: Electrical; Engineering: Computer). Credit only granted for: ENEE302 or ENEE303. Conceptual operation of transistors and diodes. Large and small signal operation of BJTs and MOSFETs. Basic transistor configurations. Logic circuits and semiconductor memory. Multi-transistor circuits including differential amplifiers and current mirrors. Frequency response.

0101	Manoj Franklin MW 2:00pm - 3:15pm F 9:00am - 9:50am	Seats (Total: 25) CHE 2108 CHE 2145	 Discussion
0102	Manoj Franklin MW 2:00pm - 3:15pm F 10:00am - 10:50am	Seats (Total: 25) CHE 2108 EGR 1102	 Discussion
0103	Manoj Franklin MW 2:00pm - 3:15pm F 11:00am - 11:50am	Seats (Total: 25) CHE 2108 EGR 2154	 Discussion
0201	Robert Newcomb TuTh 11:00am - 12:15pm M 11:00am - 11:50am	Seats (Total: 25) CHE 2118 EGR 3114	 Discussion
0202	Robert Newcomb TuTh 11:00am - 12:15pm M 12:00pm - 12:50pm	Seats (Total: 24) CHE 2118 EGR 1102	 Discussion

ENEE303H **Analog and Digital Electronics**

ENEE303H *(PermReq)* **Analog and Digital Electronics; (3 credits)** Grade Method: REG.
Prerequisite: Must have earned a minimum grade of regular (letter) C- in all required 200-level ENEE courses; and permission of ENGR-Electrical Computer Engineering department. Restriction: Must be in one following programs (Engineering: Electrical; Engineering: Computer). Credit only granted for: ENEE302 or ENEE303. Conceptual operation of transistors and diodes. Large and small signal operation of BJTs and MOSFETs. Basic transistor configurations. Logic circuits and semiconductor memory. Multi-transistor circuits including differential amplifiers and current mirrors. Frequency response.

0101	Danilo Romero TuTh 12:30pm - 1:45pm M 10:00am - 10:50am	Seats (Total: 25) EGR 2154 PLS 1164	 Discussion

ENEE307 **Electronic Circuits Design Laboratory**

ENEE307 *(PermReq)* **Electronic Circuits Design Laboratory; (2 credits)** Grade Method: REG.
Prerequisite: ENEE303; and Must have earned a minimum grade of regular (letter) C- in all required 200-level ENEE courses; and permission of ENGR-Electrical & Computer Engineering department. Restriction: Must be in one of the following programs (Engineering: Computer; Engineering: Electrical). Credit only granted for: ENEE 306 or ENEE 307. Students will design and test analog and digital circuits at the transistor level. FETs and BJTs will be covered. The laboratory experiments will be tightly coordinated with ENEE303 materials.

0101	Neil Goldsman W 9:00am - 9:50am M 2:00pm - 5:00pm	Seats (Total: 12) EGR 1202 AVW 1330	 Lab
0107	Neil Goldsman W 9:00am - 9:50am W 11:00am - 2:00pm	Seats (Total: 12) EGR 1202 AVW 1330	 Lab
0111	Neil Goldsman W 9:00am - 9:50am Th 2:00pm - 5:00pm	Seats (Total: 12) EGR 1202 AVW 1330	 Lab

ENEE313 **Introduction to Device Physics**

ENEE313 *(PermReq)* **Introduction to Device Physics; (3 credits)** Grade Method: REG.
Prerequisite: Must have earned a minimum grade of regular (letter) C- in all required 200-level ENEE courses; and permission of ENGR-Electrical Computer Engineering department. Restriction: Must be in one following programs (Engineering: Electrical; Engineering: Computer). Credit only granted for: ENEE312 or ENEE313. Basic physics of devices including fields in solids, crystal structure, properties of electrons and holes. Current flow in Si using drift-diffusion model. Properties of the pn junction. Properties of devices including BJTs, FETs and their physical characteristics.

0101	Timothy Horiuchi TuTh 11:00am - 12:15pm M 11:00am - 11:50am	Seats (Total: 25) EGR 0110 EGR 2154	 Discussion
0103	Timothy Horiuchi TuTh 11:00am - 12:15pm M 12:00pm - 12:50pm	Seats (Total: 25) EGR 0110 EGR 3114	 Discussion

ENEE322 **Signal and System Theory**

ENEE322 *(PermReq)* **Signal and System Theory; (3 credits)** Grade Method: REG.
Prerequisite: Minimum grade of C- in MATH246; and Must have earned a minimum grade of regular (letter) C- in all required 200-level ENEE courses; and permission of ENGR-Electrical & Computer Engineering department. Restriction: Must be in one of the following programs (Engineering: Computer; Engineering: Electrical). Concept of linear systems, state space equations for continuous systems, time and frequency domain analysis of signals and linear systems. Fourier, Laplace and Z transforms. Application of theory to problems in electrical engineering. ENEE majors (09090) only.

0101	Carol Espy-Wilson MW 11:00am - 12:15pm Tu 9:00am - 9:50am	Seats (Total: 25) CHE 2118 EGR 0108	 Discussion
0102	Carol Espy-Wilson MW 11:00am - 12:15pm Tu 10:00am - 10:50am	Seats (Total: 24) CHE 2118 EGR 0108	 Discussion

0201	Vishal Patel TuTh 2:00pm - 3:15pm W 9:00am - 9:50am	Seats (Total: 24) KEB 1110 EGR 1102	 Discussion
0202	Vishal Patel TuTh 2:00pm - 3:15pm W 10:00am - 10:50am	Seats (Total: 25) KEB 1110 EGR 3102	 Discussion
0203	Vishal Patel TuTh 2:00pm - 3:15pm W 10:00am - 10:50am	Seats (Total: 25) KEB 1110 EGR 3114	 Discussion

ENEE322H **Signal and System Theory**

ENEE322H *(PermReq)* **Signal and System Theory; (3 credits)** Grade Method: REG. *Prerequisite: Minimum grade of C- in MATH246; and Must have earned a minimum grade of regular (letter) C- in all required 200-level ENEE courses; and permission of ENGR-Electrical & Computer Engineering department. Restriction: Must be in one of the following programs (Engineering: Computer; Engineering: Electrical).* Concept of linear systems, state space equations for continuous systems, time and frequency domain analysis of signals and linear systems. Fourier, Laplace and Z transforms. Application of theory to problems in electrical engineering. Restricted to ENEE Honors students only.

0101	Alexander Barg TuTh 11:00am - 12:15pm M 12:00pm - 12:50pm	Seats (Total: 20) CHE 2116 EGR 1110	 Discussion

ENEE324 **Engineering Probability**

ENEE324 *(PermReq)* **Engineering Probability; (3 credits)** Grade Method: REG. *Prerequisite: ENEE322; and Completion of all lower-division technical courses in the EE curriculum. Credit only granted for: BMGT231, STAT400 or ENEE324. Additional information: Electrical Engineering and Computer Engineering majors may not substitute STAT400 for ENEE324. These courses are not interchangeable, consult your program requirements or advisor for what is acceptable toward your program of study.* Axioms of probability; conditional probability and Bayes' rules; random variables, probability distribution and densities: functions of random variables: weak law of large numbers and central limit theorem. Introduction to random processes; correlation functions, spectral densities, and linear systems. Applications to noise in electrical systems, filtering of signals from noise, estimation, and digital communications. ENEE majors (09090) only.

0101	Instructor: TBA MW 2:00pm - 3:15pm F 9:00am - 9:50am	Seats (Total: 25) CHE 2118 EGR 1102	 Discussion
0102	Instructor: TBA MW 2:00pm - 3:15pm F 11:00am - 11:50am	Seats (Total: 25) CHE 2118 MTH 0307	 Discussion
0201	Anthony Ephremides TuTh 3:30pm - 4:45pm W 9:00am - 9:50am	Seats (Total: 20) CSI 2120 EGR 3114	 Discussion
0202	Anthony Ephremides TuTh 3:30pm - 4:45pm W 10:00am - 10:50am	Seats (Total: 20) CSI 2120 EGR 2116	 Discussion

ENEE350 **Computer Organization**

ENEE350 *(PermReq)* **Computer Organization; (3 credits)** Grade Method: REG. *Prerequisite: Must have earned a minimum grade of regular (letter) C- in all required 200-level ENEE courses; and permission of ENGR-Electrical Computer Engineering department. Restriction: Must be in one following programs (Engineering: Computer; Engineering: Electrical). Formerly: ENEE250. Additional information: Electrical Engineering and Computer Engineering majors may not substitute CMSC311 for ENEE350. Not open to students who have completed ENEE250.* Structure and organization of digital computers. Registers, memory, control and I/O. Data and instruction formats, addressing modes, assembly language programming. Elements of system software, subroutines and their linkages. ENEE majors (09090) only

0101	Yavuz Oruc MW 12:30pm - 1:45pm Th 10:00am - 10:50am	Seats (Total: 25) MCB 1207 JMZ 1215	Discussion
0102	Yavuz Oruc MW 12:30pm - 1:45pm Th 1:00pm - 1:50pm	Seats (Total: 25) MCB 1207 JMZ 1224	Discussion
0103	Yavuz Oruc MW 12:30pm - 1:45pm Th 10:00am - 10:50am	Seats (Total: 25) MCB 1207 MTH 0104	Discussion
0201	Charles Silio TuTh 9:30am - 10:45am W 11:00am - 11:50am	Seats (Total: 25) CHE 2118 EGR 2154	Discussion
0202	Charles Silio TuTh 9:30am - 10:45am W 12:00pm - 12:50pm	Seats (Total: 25) CHE 2118 EGR 1102	Discussion

ENEE350H **Computer Organization**

ENEE350H *(PermReq)* **Computer Organization; (3 credits)** Grade Method: REG. *Prerequisite: Must have earned a minimum grade of regular (letter) C- in all required 200-level ENEE courses; and permission of ENGR-Electrical Computer Engineering department. Restriction: Must be in one following programs (Engineering: Computer; Engineering: Electrical). Formerly: ENEE250. Additional information: Electrical Engineering and Computer Engineering majors may not substitute CMSC311 for ENEE350. Not open to students who have completed ENEE250.* Structure and organization of digital computers. Registers, memory, control and I/O. Data and instruction formats, addressing modes, assembly language programming. Elements of system software, subroutines and their linkages. For general honors students only.

0101	Ankur Srivastava TuTh 2:00pm - 3:15pm M 11:00am - 11:50am	Seats (Total: 25) EGR 2116 EGR 1104	 Discussion

ENEE380 **Electromagnetic Theory**

ENEE380 *(PermReq)* **Electromagnetic Theory; (3 credits)** Grade Method: REG. *Prerequisite: PHYS271, PHYS270, and MATH241; and Completion of all lower-division technical courses in the EE curriculum.* Introduction to electromagnetic fields. Coulomb's law, Gauss's law, electrical potential, dielectric materials capacitance, boundary value problems, Biot-Savart law, Ampere's law, Lorentz force equation, magnetic materials, magnetic circuits, inductance, time varying fields and Maxwell's equations. ENEE majors (09090) only.

0101	Edo Waks TuTh 12:30pm - 1:45pm W 11:00am - 11:50am	Seats (Total: 25) CSS 2428 EGR 0110	 Discussion
0102	Edo Waks TuTh 12:30pm - 1:45pm W 1:00pm - 1:50pm	Seats (Total: 25) CSS 2428 EGR 2116	 Discussion
0201	Romel Gomez MW 3:30pm - 4:45pm F 12:00pm - 12:50pm	Seats (Total: 25) CHE 2118 EGR 2154	 Discussion
0202	Romel Gomez MW 3:30pm - 4:45pm F 1:00pm - 1:50pm	Seats (Total: 25) CHE 2118 EGR 3102	 Discussion

ENEE380H **Electromagnetic Theory**

ENEE380H *(PermReq)* **Electromagnetic Theory; (3 credits)** Grade Method: REG. *Prerequisite: PHYS271, PHYS270, and MATH241; and Completion of all lower-division technical courses in the EE curriculum.* Introduction to electromagnetic fields. Coulomb's law, Gauss's law, electrical potential, dielectric materials capacitance, boundary value problems, Biot-Savart law, Ampere's law, Lorentz force equation, magnetic materials, magnetic circuits, inductance, time varying fields and Maxwell's equations.

0101	Jeremy Munday TuTh 3:30pm - 4:45pm M 1:00pm - 1:50pm	Seats (Total: 20) EGR 3114 EGR 3102	 Discussion

ENEE381 **Electromagnetic Wave Propagation**

ENEE381 *(PermReq)* **Electromagnetic Wave Propagation; (3 credits)** Grade Method: REG.
Prerequisite: ENEE380; and Completion of all lower-division technical courses in the EE curriculum. Restriction: Must be in Engineering: Electrical program. The electromagnetic spectrum: Review of Maxwell's equations; the wave equation potentials, Poynting's theorem, relationship between circuit theory and fields; propagation of electromagnetic waves in homogeneous media and at interfaces; transmission line theory, waveguides, radiation and antennas. ENEE majors only (09090).

0101	Leonard Taylor TuTh 12:30pm - 1:45pm F 11:00am - 11:50am	Seats (Total: 28) CHE 2108 EGR 0309	 Discussion
0102	Leonard Taylor TuTh 12:30pm - 1:45pm F 1:00pm - 1:50pm	Seats (Total: 28) CHE 2108 EGR 2116	 Discussion
0103	Leonard Taylor TuTh 12:30pm - 1:45pm F 2:00pm - 2:50pm	Seats (Total: 25) CHE 2108 EGR 1102	 Discussion

ENEE408A **Capstone Design Project:Microprocessor-Based Design**

ENEE408A *(PermReq)* **Capstone Design Project:Microprocessor-Based Design; (3 credits)** Grade Method: REG. CORE Capstone (CS) Course.
Restricted to ENEE and ENCP students. Prerequisite: ENEE 440. Click here f or more information

0101	William Hawkins	Seats (Total: 12)	
	Th 8:00am - 9:15am	AVW 2446	
	TBA	AVW 1454	Lab

ENEE408C **Capstone Design Project: Modern Digital System Design**

ENEE408C *(PermReq)* **Capstone Design Project: Modern Digital System Design; (3 credits)** Grade Method: REG. CORE Capstone (CS) Course.

0101	Shuvra Bhattacharyya	Seats (Total: 16)	
	Tu 3:30pm - 4:45pm	KEB 2107	
	Th 2:00pm - 4:50pm	KEB 2107	Lab

ENEE408E **Capstone Design Project: Optical System Design**

ENEE408E *(PermReq)* **Capstone Design Project: Optical System Design; (3 credits)** Grade Method: REG. CORE Capstone (CS) Course.
Prerequisite: ENEE 380. Co-requisite: ENEE381 (Capstone design for EE majors only). Click here f or more information

0101	Christopher Davis	Seats (Total: 43)	
	TuTh 9:30am - 10:45am	EGR 1108	

ENEE408I **Capstone Design Project: Autonomous Control of Interacting Robots**

ENEE408I *(PermReq)* **Capstone Design Project: Autonomous Control of Interacting Robots; (3 credits)** Grade Method: REG. CORE Capstone (CS) Course.

0101	Gilmer Blankenship	Seats (Total: 12)	
	M 10:00am - 10:50am	EGR 1102	
	W 11:00am - 1:50pm	KEB 3209	Lab
0102	Gilmer Blankenship	Seats (Total: 12)	
	M 10:00am - 10:50am	EGR 1102	
	W 2:00pm - 4:50pm	KEB 3209	Lab

ENEE416 **Integrated Circuit Fabrication Laboratory**

ENEE416 *(PermReq)* **Integrated Circuit Fabrication Laboratory; (3 credits)** Grade Method: REG.
Prerequisite: Minimum grade of C- in ENEE303; and Must have earned a minimum grade of regular (letter) C- in all required 200-level ENEE courses; and permission of ENGR-Electrical & Computer Engineering department. Restriction: Must be in one of the following programs (Engineering: Computer; Engineering: Electrical). Formerly: ENEE419J. Characterization of wafers and fabrication steps. Oxide growth, lithography, dopant diffusion, and metal deposition and patterning will be discussed in the lectures and carried out in the lab in fabricating NMOS transistor circuits. The transistor characteristics will be measured and related to the fabrication parameters.

0101	Agisilaos Iliadis Th 11:00am - 12:15pm Tu 9:00am - 12:00pm	Seats (Total: 5) EGR 1104 KEB 2300	 Lab
0102	Agisilaos Iliadis Th 11:00am - 12:15pm W 12:30pm - 3:30pm	Seats (Total: 5) EGR 1104 KEB 2300	 Lab
0103	Agisilaos Iliadis Th 11:00am - 12:15pm M 12:30pm - 3:30pm	Seats (Total: 5) EGR 1104 KEB 2300	 Lab
0104	Agisilaos Iliadis Th 11:00am - 12:15pm W 9:00am - 12:00pm	Seats (Total: 5) EGR 1104 KEB 2300	 Lab
0105	Agisilaos Iliadis Th 11:00am - 12:15pm F 9:00am - 12:00pm	Seats (Total: 5) EGR 1104 KEB 2300	 Lab

ENEE419A **Topics in Microelectronics; Analog and Digital Electronics II**

ENEE419A *(PermReq)* **Topics in Microelectronics: Analog and Digital Electronics II; (3 credits)** Grade Method: REG.
Restricted to ENEE and ENCP majors. Prerequisite: ENEE303. Click here f or more information

0101	Pamela Abshire	Seats (Total: 30)
	TuTh 9:30am - 10:45am	JMP 1109

ENEE420 **Communication Systems**

ENEE420 *(PermReq)* **Communication Systems; (3 credits)** Grade Method: REG. *Prerequisite: ENEE324; and Completion of all lower-division technical courses in the EE curriculum.* Fourier series, Fourier transforms and linear system analysis; random signals, autocorrelation functions and power spectral densities; analog communication systems: amplitude modulation, single-sideband modulation, frequency and phase modulation, sampling theorem and pulse-amplitude modulation; digital communication systems pulse-code modulation, phase-shift keying, differential phase shift keying, frequency shift keying; performance of analog and digital communication systems in the presence of noise. ENEE majors (09090) only.

0101	Armand Makowski	Seats (Total: 40)
	MW 11:00am - 12:15pm	ITV 1111

ENEE425 **Digital Signal Processing**

ENEE425 *(PermReq)* **Digital Signal Processing; (3 credits)** Grade Method: REG. *Prerequisite: ENEE322; and Completion of all lower-division technical courses in the EE curriculum.* Sampling as a modulation process; aliasing; the sampling theorem; the Z-transform and discrete-time system analysis; direct and computer-aided design of recursive and nonrecursive digital filters; the Discrete Fourier Transform (DFT) and Fast Fourier Transform (FFT); digital filtering using the FFT; analog-to-digital and digital-to analog conversion; effects of quantization and finite-word-length arithmetic. ENEE majors (09090) only.

0101	KJ Ray Liu	Seats (Total: 40)
	TuTh 11:00am - 12:15pm	CSI 2107

ENEE426 **Communication Networks**

ENEE426 *(PermReq)* **Communication Networks; (3 credits)** Grade Method: REG. *Prerequisite: ENEE324; and Completion of all lower-division technical courses in the EE curriculum. Restriction: Must be in Engineering: Electrical program.* The main design issues associated with computer networks, satellite systems, radio nets, and general communication networks. Application of analytical tools of queuing theory to design problems in such networks. Review of proposed architectures and protocols.

0101	Mark Shayman TuTh 9:30am - 10:45am	Seats (Total: 40) ITV 1111	

ENEE428 **Communications Design Laboratory**

ENEE428 *(PermReq)* **Communications Design Laboratory; (2 credits)** Grade Method: REG.

0101	Steven Tretter W 10:00am - 10:50am M 2:00pm - 5:00pm	Seats (Total: 10) EGR 1102 AVW 1366	 Lab
0102	Steven Tretter W 10:00am - 10:50am W 2:00pm - 5:00pm	Seats (Total: 10) EGR 1102 AVW 1366	 Lab

ENEE440 **Microprocessors**

ENEE440 *(PermReq)* **Microprocessors; (3 credits)** Grade Method: REG/AUD. *Prerequisite: ENEE350; and Completion of all lower division technical courses in the EE curriculum. Restriction: Must be in one of the following programs (Engineering: Computer; Engineering: Electrical).* Microprocessor architectures, instruction sets, and applications. Bus structures, memory, I/O interfacing. Assembly language programming, LSI device configuration, and the embedding of microprocessors in systems. ENEE majors only (09090).

0101	William Hawkins TuTh 11:00am - 12:15pm	Seats (Total: 30) EGR 2154

ENEE445 **Computer Laboratory**

ENEE445 *(PermReq)* **Computer Laboratory; (2 credits)** Grade Method: REG. *Prerequisite: Minimum grade of C- in ENEE205; or minimum grade of C- in ENEE206. And minimum grade of C- in ENEE350; and Must have earned a minimum grade of regular (letter) C- in all 200-level ENEE courses; and permission of ENGR-Electrical & Computer Engineering department. Restriction: Must be in one of the following programs (Engineering: Computer; Engineering: Electrical).* This laboratory course focuses on the hardware/software interface in computer systems. Hand-on experiments are used to teach design, construction, analysis, and measurement of both hardware and software for embedded systems. Projects emphasize using microcontrollers for control, sensing, and communication through various I/O devices.

0101	William Hawkins	Seats (Total: 12)	
	Tu 9:30am - 10:20am	CHE 2140	
	Th 2:00pm - 5:00pm	AVW 1454	Lab

ENEE446 **Digital Computer Design**

ENEE446 *(PermReq)* **Digital Computer Design; (3 credits)** Grade Method: REG. *Prerequisite: ENEE350; and Completion of all lower-division technical courses in the EE curriculum.* Hardware design of digital computers. Arithmetic and logic units, adders, multipliers and dividers. Floating-point arithmetic units. Bus and register structures. Control units, both hardwired and microprogrammed. Index registers, stacks, and other addressing schemes. Interrupts, DMA and interfacing. ENEE majors (09090) only.

0101	Rajeev Barua	Seats (Total: 40)
	MW 2:00pm - 3:15pm	ITV 1111

ENEE459A **Topics in Computer Engineering; CAD Tools for Microprocessor Design**

ENEE459A *(PermReq)* **Topics in Computer Engineering: CAD Tools for Microprocessor Design; (1 credit)** Grade Method: REG.

0101	William Hawkins	Seats (Total: 12)
	Tu 8:25am - 9:15am	AVW 2446

ENEE459L **Topics in Computer Engineering; Cybersecurity Lab**

ENEE459L *(PermReq)* **Topics in Computer Engineering: Cybersecurity Lab; (3 credits)** Grade Method: REG.
Prerequisite: C- or better in CMSC330 and CMSC351; and permission of both instructor and the department.

0101	Jonathan Katz, Gang Qu, Jeffrey Foster, Michael Hicks, Michel Cukier TuTh 3:30pm - 4:45pm	Seats (Total: 25) AVW 2446

ENEE460 **Control Systems**

ENEE460 *(PermReq)* **Control Systems; (3 credits)** Grade Method: REG.
Prerequisite: ENEE322; and Completion of all lower-division technical courses in the EE curriculum. Restriction: Must be in Engineering: Electrical program. Mathematical models for control system components. Transform and time domain methods for linear control systems. Introductory stability theory. Root locus, bode diagrams and Nyquist plots. Design specifications in the time and frequency domains. Compensation design in the time and frequency domain. Introduction to sampled data systems. ENEE majors (09090) only.

0101	Andre Tits TuTh 3:30pm - 4:45pm	Seats (Total: 30) EGR 2116

ENEE474 **Power Systems**

ENEE474 *(PermReq)* **Power Systems; (3 credits)** Grade Method: REG/AUD.
Prerequisite: ENEE322; and Completion of all lower-division technical courses in the EE curriculum. Interconnected power systems, transmission lines, load flow studies, unit commitment and economic dispatch. Three phase networks, machine models. Symmetrical components, fault analysis and unbalanced operation. Power system transients, stability and numerical methods in power system analysis.

0101	Isaak Mayergoyz TuTh 3:30pm - 4:45pm	Seats (Total: 60) CSI 2117

ENEE480 **Fundamentals of Solid State Electronics**

ENEE480 *(PermReq)* **Fundamentals of Solid State Electronics; (3 credits)** Grade Method: REG.
Prerequisite: Minimum grade of C- in ENEE303; and Must have earned a minimum grade of regular (letter) C- in all required 200-level ENEE courses; and permission of ENGR-Electrical & Computer Engineering department. Restriction: Must be in one of the following programs (Engineering: Computer; Engineering: Electrical). Crystal structure and materials preparation; carrier transport; elementary quantum mechanics applied to solids; band structure of metals, insulators, and semiconductors; field effect transistors; PN junctions; bipolar transistors; fabrication of devices. ENEE majors (09090) only.

0101	Martin Peckerar	Seats (Total: 30)	
	MW 12:30pm - 1:45pm	ITV 1111	

ENEE486 **Optoelectronics Lab**

ENEE486 *(PermReq)* **Optoelectronics Lab; (2 credits)** Grade Method: REG.
Prerequisite: Minimum grade of C- in ENEE205; or minimum grade of C- in ENEE206. And minimum grade of C- in PHYS271 and PHYS270; and Must have earned a minimum grade of regular (letter) C- in all required 200-level ENEE courses; and permission of ENGR-Electrical & Computer Engineering department. Restriction: Must be in one of the following programs (Engineering: Computer; Engineering: Electrical). Hands-on experience in performing measurements in optics and electro-optics. Basics of optics, light detectors, Fourier optics, gratings and spectrometers, pulsed dye lasers, fiber optics, electro-optics, and acousto-optics.

0101	Mario Dagenais	Seats (Total: 10)	
	W 10:00am - 10:50am	CHE 2140	
	W 2:00pm - 5:00pm	AVW 1362	Lab

ENEE488 **Independent Study in Electrical and Computer Engineering**

ENEE488 *(PermReq)* **Independent Study in Electrical and Computer Engineering; (1-3 credits)** Grade Method: REG.
Prerequisite: permission of department.

1301	Perinkulam Krishnaprasad	Seats (Total: 3)
	Contact instructor or department for details.	

1501	William Levine Contact instructor or department for details.	Seats (Total: 3)
1801	Robert Newcomb Contact instructor or department for details.	Seats (Total: 3)
4201	Victor Granatstein Contact instructor or department for details.	Seats (Total: 3)
6901	Neil Goldsman Contact instructor or department for details.	Seats (Total: 3)
7001	Wesley Lawson Contact instructor or department for details.	Seats (Total: 5)

ENEE490 **Physical Principles of Wireless Communications**

ENEE490 *(PermReq)* **Physical Principles of Wireless Communications; (3 credits)** Grade Method: REG.
Prerequisite: ENEE381. Restriction: Must be in one of the following programs (Engineering: Computer; Engineering: Electrical). Credit only granted for: ENEE490 or ENEE498B. Formerly: ENEE498B.

0101	Victor Granatstein MW 3:30pm - 4:45pm	Seats (Total: 30) ITV 1111

ENEE498R **Topics in Electrical Engineering; Special Topics in Renewable Energy**

ENEE498R *(PermReq)* **Topics in Electrical Engineering: Special Topics in Renewable Energy; (3 credits)** Grade Method: REG.
Prerequisite: ENEE322 and ENEE380 and permission of department. Restricted to ENEE majors only.

0101	Alireza Khaligh MW 3:30pm - 4:45pm	Seats (Total: 50) CHE 2108

ENEE499 **Senior Projects in Electrical and Computer Engineering**

ENEE499 *(PermReq)* **Senior Projects in Electrical and Computer Engineering; (1-5 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
ENEE majors (09090) only.

Contact department for information to register for this course.

ENEE499L **Senior Projects in Electrical and Computer Engineering**
Contact department for information to register for this course.

ENEE499R **Senior Projects in Electrical and Computer Engineering**
Contact department for information to register for this course.

ENEE499T **Senior Projects in Electrical and Computer Engineering; Undergradute Teaching Experience**
Contact department for information to register for this course.

ENEE600 **Solid State Electronics**

ENEE600 Solid State Electronics; (3 credits) Grade Method: REG/AUD.
Prerequisite: ENEE480; and Must have background in elementary quantum mechanics. Credit only granted for: ENEE600 or ENEE793. Formerly: ENEE793.
Properties of crystals; energy bands: electron transport theory; conductivity and hall effect; statistical distributions; fermi level: impurities; non-equilibrium carrier distributions; normal modes of lattice vibration and thermal properties of crystals; tunneling phenomena; surface properties.

0101	John Melngailis	Seats (Total: 30)
	MW 12:30pm - 1:45pm	EGR 0108

ENEE605 **Design and Fabrication of Micro-Electro-Mechanical Systems (MEMS)**

ENEE605 Design and Fabrication of Micro-Electro-Mechanical Systems (MEMS); (3 credits) Grade Method: REG/AUD.
Credit only granted for: ENEE605 or ENEE719R. Formerly: ENEE719R. The goals are to explore the world of Micro-Electro-Mechanical Systems (MEMS) by understanding its design and fabrication aspects.

0101	Reza Ghodssi	Seats (Total: 30)
	TuTh 11:00am - 12:15pm	JMP 1109

ENEE610 **Electrical Network Theory**

ENEE610 Electrical Network Theory; (3 credits) Grade Method: REG/AUD.
Prerequisite: Must have completed undergraduate-level Circuit Theory; or permission of instructor. Matrix algebra, network elements, ports, passivity and activity, geometrical and analytical descriptions of networks, state variable characterizations, scattering matrices, signal flow graphs, sensitivity.

0101	Robert Newcomb TuTh 2:00pm - 3:15pm	Seats (Total: 30) EGR 1108	

ENEE620 **Random Processes in Communication and Control**

ENEE620 Random Processes in Communication and Control; (3 credits) Grade Method: REG/AUD.
Prerequisite: ENEE324; or students who have taken courses with similar or comparable course content may contact the department. Introduction to random processes: characterization, classification, representation; Gaussian and other examples. Linear operations on random processes, stationary processes: covariance function and spectral density. Linear least square waveform estimating Wiener-Kolmogroff filtering, Kalman-Bucy recursive filtering: function space characterization, non-linear operations on random processes.

0101	Alexander Barg TuTh 3:30pm - 4:45pm F 11:00am - 11:50am	Seats (Total: 30) CHE 2108 EGR 1104	 Discussion
0102	Alexander Barg TuTh 3:30pm - 4:45pm Th 5:00pm - 5:50pm	Seats (Total: 30) CHE 2108 EGR 2154	 Discussion

ENEE623 **Digital Communications**

ENEE623 Digital Communications; (3 credits) Grade Method: REG/AUD. *Prerequisite: ENEE620 and ENEE420; or students who have taken courses with similar or comparable course content may contact the department; or permission of instructor.* Review of sampling and quantization, functional characterization of digital signals and transmission facilities, band-limited signals and systems. Digital modulation/demodulation techniques, error probability, intersymbol interference and its effects, adaptive equalization. Signaling with coded waveforms, fading and satellite channels, multiple access problems and protocols. Introduction to spread-spectrum Communications.

0101	Sennur Ulukus	Seats (Total: 30)
	TuTh 11:00am - 12:15pm	CHE 2136

ENEE625 **Multi-user Communication**

ENEE625 Multi-user Communication; (3 credits) Grade Method: REG/AUD. *Prerequisite: ENEE620.* Basic queueing models. Store-and forward communications networks; switching modes; delay-throughput measures; capacity assignment; routing; topological design; computational aspects; flow control; error control; protocols; specification and validation; local networks; satellite and packet radio systems; multiple access schemes; stability and performance; multi-user information theory; and large scale system theory.

0101	Anthony Ephremides	Seats (Total: 30)
	TuTh 12:30pm - 1:45pm	EGR 2116

ENEE626 **Error Correcting Codes**

ENEE626 Error Correcting Codes; (3 credits) Grade Method: REG/AUD. *Prerequisite: ENEE420; or students who have taken courses with similar or comparable course content may contact the department. Credit only granted for: ENEE626 or ENEE722. Formerly: ENEE722.* Introduction to linear codes; bounds on the error correction capabilities of codes; convolutional codes with threshold, sequential and viterbi decoding; cyclic random error correcting codes; P-N sequences; cyclic and convolutional burst error correcting codes. Also offered as AMSC698B.

0101	Prakash Narayan	Seats (Total: 30)
	TuTh 2:00pm - 3:15pm	AVW 2446

ENEE630 **Advanced Digital Signal Processing**

ENEE630 Advanced Digital Signal Processing; (3 credits) Grade Method: REG/AUD.
Prerequisite: ENEE425. Corequisite: Concurrently enrolled in ENEE620. Credit only granted for: ENEE624 or ENEE630. Formerly: ENEE624. This is the first-year graduate course in signal processing. The objective is to establish fundamental concepts of signal processing on multirate processing, parametric modeling, linear prediction theory, modern spectral estimation, and high-resolution techniques.

0101	Min Wu	Seats (Total: 45)
	MW 3:30pm - 4:45pm	CHM 1228

ENEE641 **Mathematical Foundations for Computer Engineering**

ENEE641 Mathematical Foundations for Computer Engineering; (3 credits) Grade Method: REG/AUD.
Credit only granted for: ENEE641 or ENEE759F. Formerly: ENEE759F. Mathematical modeling, design, analysis and proof techniques related to computer engineering. Probability, logic, combinatorics, set theory, and graph theory, as they pertain to the design and performance of computer engineering systems. Techniques for the design and analysis of efficient computational methods from graph theory and networks. Understanding of the limits on the efficiency of such computational methods. Translation from mathematical theory to actual programming. The course emphasizes mathematical rigor.

0101	Uzi Vishkin	Seats (Total: 40)
	MW 2:00pm - 3:15pm	EGR 1108

ENEE646 **Digital Computer Design**

ENEE646 Digital Computer Design; (3 credits) Grade Method: REG/AUD.
Prerequisite: ENEE446; or students who have taken courses with similar or comparable course content may contact the department. Concepts and techniques for design of computer systems with improved performance. Advanced I/O systems, memory organization, pipeland and parallel processors, bus bandwidth, processor/memory interconnections, cache memory, virtual memory, multiprocessors, performance evaluation.

0101	Yavuz Oruc	Seats (Total: 30)
	MW 3:30pm - 4:45pm	EGR 2116

ENEE660 **System Theory**

ENEE660 System Theory; (3 credits) Grade Method: REG/AUD.
Prerequisite: ENEE460 and MATH463; or students who have taken courses with similar or comparable course content may contact the department; or permission of instructor. Credit only granted for: ENEE660, ENEE663, or MAPL640. Formerly: ENEE663. General systems models. State variables and state space. Linearity and its implications. Controllability and observability. State space structure and representation. Realization theory and algorithmic solutions. Parameterizations of linear systems; canonical forms. Basic results from stability theory. Stabilizability. Fine structure of linear multivariable systems; minimal indices and polynomial matrices. Interplay between frequency domain and state space.

0101	Nuno Martins	Seats (Total: 40)
	MW 2:00pm - 3:15pm	EGR 1104

ENEE680 **Electromagnetic Theory I**

ENEE680 Electromagnetic Theory I; (3 credits) Grade Method: REG/AUD.
Prerequisite: ENEE381; or students who have taken courses with similar or comparable course content may contact the department. Theoretical analysis and engineering applications of Maxwell's equations. Boundary value problems of electrostatics and magnetostatics.

0101	Thomas Antonsen	Seats (Total: 25)
	MW 3:30pm - 4:45pm	EGR 3114

ENEE690 **Quantum and Wave Phenomena with Electrical Application**

ENEE690 Quantum and Wave Phenomena with Electrical Application; (3 credits) Grade Method: REG/AUD.
Prerequisite: ENEE381; or students who have taken courses with similar or comparable course content may contact the department. Introduction of quantum and wave phenomena from electrical engineering point of view. Topics included: general principles of quantum mechanics, operator algebra, the microwave resonant cavity and the analagous potential well problem, harmonic oscillator, hydrogenic atom. Perturbation method applied to the transmission line and potential well problems. Periodically loaded transmission line and Kronig-Penny model of band theory.

0101	Howard Milchberg TuTh 12:30pm - 1:45pm	Seats (Total: 30) EGR 1104

ENEE698A **Graduate Seminar; Communicatons**

ENEE698A Graduate Seminar: Communicatons; (1 credit) Grade Method: REG/AUD/S-F.
Click here for more course information.

0101	Sennur Ulukus Tu 5:00pm - 5:50pm	Seats (Total: 25) CSI 3118

ENEE698C **Graduate Seminar; Controls**

ENEE698C Graduate Seminar: Controls; (1 credit) Grade Method: REG/AUD.
ENEE majors only. Click here for more course information.

0101	Eyad Abed M 5:00pm - 6:00pm	Seats (Total: 18) CHE 2116

ENEE698E **Graduate Seminar**

ENEE698E Graduate Seminar; (1-2 credits) Grade Method: REG/AUD/S-F.
Click here for more course information.

0101	Robert Newcomb Tu 5:00pm - 5:50pm	Seats (Total: 20) CSI 2118

ENEE698Q **Graduate Seminar; Colloquium Series**

ENEE698Q Graduate Seminar: Colloquium Series; (1 credit) Grade Method: REG. Click here for more course information.

0101	Ramalingam Chellappa F 3:00pm - 4:00pm	Seats (Total: 80) KEB 1110

ENEE698T **Graduate Seminar; Technology Law**

ENEE698T Graduate Seminar: Technology Law; (1 credit) Grade Method: REG/AUD/S-F.
Also offered as BUSI758T. Credit will be granted for one of the following: BUSI758T or ENEE698T. Click here for more information.

0101	Michael Oblon Tu 6:00pm - 8:00pm	Seats (Total: 35) JMP 1109

ENEE699 **Independent Studies in Electrical Engineering**

ENEE699 *(PermReq)* **Independent Studies in Electrical Engineering; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENEE704 **Physics and Simulation of Semiconductor Devices**

ENEE704 Physics and Simulation of Semiconductor Devices; (3 credits) Grade Method: REG/AUD.
Recommended: ENEE601 and ENEE600; and Exposure to quantum mechanics. Credit only granted for: ENEE694 and ENEE704. Formerly: ENEE694. The physics of electron transport in semiconductor devices will be covered. Numerical methods for attaining solutions to transport equations will be explored. Students will also learn how to use CAD tools fro semiconductor device design. Nano-electronic devices will be introduced.

0101	Neil Goldsman MW 11:00am - 12:15pm	Seats (Total: 30) EGR 2116

ENEE731 **Image Understanding**

ENEE731 Image Understanding; (3 credits) Grade Method: REG/AUD. *Prerequisite: ENEE631 and ENEE633. Credit only granted for: ENEE739J or ENEE731. Formerly: ENEE739J.* An advanced graduate level course on image understanding. Mathematical and statistical approaches to solving image understanding problems will be discussed. Topics to be covered include: optimal edge and shape detection; image understanding using Markov random field models; Monte Carlo Markov Chain techniques for image understanding; shape from shading, stereo, texture and contour; structure from motion and object recognition. Existence, uniqueness and convergence issues for many of these problems will be discussed.

0101	Ramalingam Chellappa MW 11:00am - 12:15pm	Seats (Total: 30) EGR 0108

ENEE762 **Stochastic Control**

ENEE762 Stochastic Control; (3 credits) Grade Method: REG/AUD. *Prerequisite: ENEE620 and ENEE660; or students who have taken courses with similar or comparable course content may contact the department.* Stochastic control systems, numerical methods for the Ricatti equation, the separation principle, control of linear systems with Gaussian signals and quadratic cost, non-linear stochastic control, stochastic stability, introduction to stochastic games.

0101	Steven Marcus MW 2:00pm - 3:15pm	Seats (Total: 20) EGR 2116

ENEE769F **Advanced Topics in Controls; Convex Optimization**

ENEE769F Advanced Topics in Controls: Convex Optimization; (3 credits) Grade Method: REG/AUD.

0101	Michael Rotkowitz MW 3:30pm - 4:45pm	Seats (Total: 40) EGR 1104

ENEE769R **Advanced Topics in Controls; Principles and Algorithms for Collectives**

ENEE769R Advanced Topics in Controls: Principles and Algorithms for Collectives; (3 credits) Grade Method: REG/AUD.

0101	Perinkulam Krishnaprasad MW 12:30pm - 1:45pm	Seats (Total: 30) CSI 1122

ENEE789O **Advanced Topics in Electrophysics; Chaotic Dynamics**

ENEE789O Advanced Topics in Electrophysics: Chaotic Dynamics; (3 credits)
Grade Method: REG/AUD.
Also offered as PHYS715.

0101	Edward Ott TuTh 11:00am - 12:15pm	Seats (Total: 25) PHY 1204

ENEE791 **Quantum Electronics II**

ENEE791 Quantum Electronics II; (3 credits) Grade Method: REG/AUD.
Nonlinear optical effects and devices, tunable coherent light sources: optical parametric oscillator; frequency conversion and dye laser. Ultrashort pulse generation and measurement, stimulated raman effect, and applications. Interaction of acoustic and optical waves, and holography.

0101	Julius Goldhar TuTh 3:30pm - 4:45pm	Seats (Total: 30) JMP 1202

ENEE799 **Master's Thesis Research**

ENEE799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: S-F.
Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENEE889 **Teaching Workshop**
Contact department for information to register for this course.

ENEE898 **Pre-Candidacy Research**

ENEE898 *(PermReq)* **Pre-Candidacy Research; (1-8 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENEE899 **Doctoral Dissertation Research**

ENEE899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENES Engineering Science Fall 2012

ENES100 **Introduction to Engineering Design**

ENES100 *(PermReq)* **Introduction to Engineering Design; (3 credits)** Grade Method: REG/P-F/AUD. CORE Physical Science (PS) Course. GenEd: Distributive Studies - Scholarship in Practice.
Corequisite: Concurrently enrolled in MATH140. Students work as teams to design and build a product using computer software for word-processing, spreadsheet, CAD, and communication skills.

0201	George Syrmos TuTh 8:00am - 9:50am F 2:00pm - 2:50pm	Seats (Total: 50) JMP 1116 EGR 1202	Discussion
0301	Evandro Valente MW 10:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 50) JMP 1116 EGR 1202	Discussion
0302	Ayush Gupta MW 10:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 42) JMP 1215 EGR 1202	Discussion
0401	Peter Kofinas TuTh 10:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 50) JMP 1116 EGR 1202	Discussion
0402	Isabel Lloyd TuTh 10:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 42) JMP 1215 EGR 1202	Discussion
0501	David Lovell MW 12:00pm - 1:50pm F 1:00pm - 1:50pm	Seats (Total: 50) JMP 1116 EGR 1202	Discussion

0502	John Cumings MW 12:00pm - 1:50pm F 1:00pm - 1:50pm	Seats (Total: 40) JMP 1215 EGR 1202	Discussion
0601	Christopher Davis TuTh 12:00pm - 1:50pm F 1:00pm - 1:50pm	Seats (Total: 50) JMP 1116 EGR 1202	Discussion
0701	Evandro Valente MW 2:00pm - 3:50pm F 2:00pm - 2:50pm	Seats (Total: 50) JMP 1116 EGR 1202	Discussion
0702	Kevin Calabro MW 2:00pm - 3:50pm F 2:00pm - 2:50pm	Seats (Total: 40) JMP 1215 EGR 1202	Discussion
0801	Ayush Gupta TuTh 2:00pm - 3:50pm F 2:00pm - 2:50pm	Seats (Total: 50) JMP 1116 EGR 1202	Discussion
1001	Nicholas Wagman TuTh 4:30pm - 6:20pm F 1:00pm - 1:50pm	Seats (Total: 50) JMP 1116 EGR 1202	Discussion

ENES102 **Mechanics I**

ENES102 *(PermReq)* **Mechanics I; (3 credits)** Grade Method: REG/P-F/AUD. *Corequisite: Concurrently enrolled in MATH140. Restriction: Must be in a major in ENGR-A. James Clark School of Engineering. Formerly: ENES110.* The equilibrium of stationary bodies under the influence of various kinds of forces. Forces, moments, couples, equilibrium, trusses, frames and machines, centroids, moment of inertia, beams, friction, stress/strain, material properties. Vector and scalar methods are used to solve problems.

0101	Thomas Beigel MW 9:00am - 9:50am F 9:00am - 10:50am	Seats (Total: 65) SYM 0200 ARM 0110	Discussion
0102	Mary Bowden MW 11:00am - 11:50am F 11:00am - 12:50pm	Seats (Total: 65) CSI 3117 CSI 3117	Discussion

0104	Christopher Cadou MW 1:00pm - 1:50pm F 1:00pm - 2:50pm	Seats (Total: 60) SYM 0200 CHM 2201	 Discussion

ENES102H **Mechanics I**

ENES102H *(PermReq)* **Mechanics I; (3 credits)** Grade Method: REG/P-F/AUD. *Corequisite: Concurrently enrolled in MATH140. Restriction: Must be in a major in ENGR-A. James Clark School of Engineering. Formerly: ENES110.* The equilibrium of stationary bodies under the influence of various kinds of forces. Forces, moments, couples, equilibrium, trusses, frames and machines, centroids, moment of inertia, beams, friction, stress/strain, material properties. Vector and scalar methods are used to solve problems.

0101	Gary Pertmer TuTh 9:00am - 9:50am F 9:00am - 10:50am	Seats (Total: 60) CSS 1113 CSS 1113	 Discussion
0301	William Fourney TuTh 2:00pm - 2:50pm F 2:00pm - 3:50pm	Seats (Total: 60) CSS 1113 SYM 0200	 Discussion

ENES113 **Virtus Living and Learning Community Seminar I**

ENES113 Virtus Living and Learning Community Seminar I; (1 credit) Grade Method: REG.

Restriction: Must be in first year Virtus program. The seminar focuses on personal and professional development related to the field of engineering with a strong emphasis on clarifying career goals and decisions. Additional topics include an introduction to basic tools, undergraduate research opportunities, and campus and engineering resources.

0101	Bruk Berhane W 4:00pm - 5:30pm	Seats (Total: 45) EAS 0102	

ENES115 **FLEXUS Living and Learning Community Seminar I**

ENES115 *(PermReq)* **FLEXUS Living and Learning Community Seminar I; (1 credit)** Grade Method: REG/P-F/AUD.
Restriction: Must be a first year FLEXUS Participant (coded as WCY). The seminar focuses on personal and professional development related to the field of engineering with a strong emphasis on clarifying career goals and decisions. Additional topics include an introduction to campus and engineering resources, basic tools, and undergraduate research opportunities. Students will discuss issues of concern through a variety of book readings, self-reflections, and panel discussions with practicing women engineers.

0101	Nicole Hollywood W 4:00pm - 5:30pm	Seats (Total: 59) EAS 1119
0201	Paige Smith Tu 4:00pm - 5:30pm	Seats (Total: 32) EAS 1119

ENES141 **Introduction to High-Tech Product Development and Marketing**

ENES141 Introduction to High-Tech Product Development and Marketing; (3 credits) Grade Method: REG/P-F/AUD. CORE Interdisciplinary & Emerging Issues (IE) Course. GenEd: Distributive Studies - Scholarship in Practice.
Multi-disciplinary course covers basic concepts in technology marketing, business, engineering, and entrepreneurship in the context of developing and marketing innovative technology products and services. Mix of lectures, experiential learning, and hands-on team projects, culminating in student team presentations of high-tech product concepts and marketing plans.

FC01	Dean Chang MW 3:00pm - 4:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 30) TAP 1103

ENES143 **Communication Essentials for Entrepreneurs**

ENES143 Communication Essentials for Entrepreneurs; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Fundamental Studies - Oral Communications. *Credit only granted for: ARCH403, COMM107, COMM200, ENES143, HLTH420, INAG110, JOUR130, or THET285.* Learn the processes and skills needed to give effective business presentations related to start-up ventures. Focus on how to research topics and companies; organize material based on speaking goals; analyze audience groups to meet speaking expectations; prepare informative and compelling presentation slides; deliver speeches professionally and effectively, and actively listen and provide speaker feedback to fellow students.

FC01	Carolyn Karlson	Seats (Total: 20)
	MW 3:00pm - 4:15pm	MMH 0108
	Restricted to students in Freshmen Connection.	

ENES151 **EES Fellows First Year Seminar I**

ENES151 EES Fellows First Year Seminar I; (1 credit) Grade Method: REG/P-F/AUD.
Restriction: Restricted to EES Fellows students. This course is designed to prepare you to be successful in your first year in engineering, and throughout your educational career and work experiences. We will discuss Clark School education and research programs, the future of engineering, engineering as a profession, student communities and projects, and success skills.

0101	Karen Lewis	Seats (Total: 14)
	W 4:00pm - 5:15pm	PLS 1119

ENES152 **Engineering Transfer Seminar I**

ENES152 Engineering Transfer Seminar I; (1 credit) Grade Method: REG/P-F/AUD.
Restriction: Restricted to EES Fellow students and new transfer students. An introduction to University life for new transfer engineering students. Students will explore how to successfully bridge the gap between the community college and the university. Students will explore campus resources and learn about internships, undergraduate research, study abroad and other academic opportunities. During the semester we will focus on areas that promote academic success and time management, effective study skills, career decision-making, and student development processes will also be explored.

0101	LaWanda Kamalidiin Th 4:00pm - 5:15pm	Seats (Total: 30) PLS 1111	

ENES181 **Dialogue with the Dean**

ENES181 Dialogue with the Dean; (1 credit) Grade Method: REG/P-F/AUD. *Restriction: Must be in a major in ENGR-A. James Clark School of Engineering; and Must be a new freshman or transfer student.* Introduction to Engineering as a Profession, Overview of Martin Institute and Clark School Education and Research Programs, The Future of Engineering and Engineering Education, Basic Technological Literacy, Business and Entrepreneurship Issues for Engineers, the Joy of Discovery, Student Projects: How to get involved, Research and Development Programs: How to get involved, What the corporate sector expects from a new engineering graduate.

0101	Darryll Pines W 4:00pm - 4:50pm	Seats (Total: 100) KEB 1110	

ENES190H **Introduction to Design and Quality**

ENES190H Introduction to Design and Quality; (4 credits) Grade Method: REG. *Prerequisite: Permission of ENGR-A. James Clark School of Engineering. Also offered as: BMGT190. Credit only granted for: BMGT190 or ENES190.* Expose engineering and business students to the principles of total quality, using experiential team learning and technology aided approaches. The first of four courses in total quality. First course in a sequence of four Total Quality Program Courses. For total Quality Program participants only. Also offered as ENES190H.

0101	Joseph Bailey TuTh 12:30pm - 1:45pm Tu 7:00pm - 8:50pm	Seats (Total: 40) VMH 1333 VMH 1411	 Discussion
0102	Joseph Bailey TuTh 12:30pm - 1:45pm Tu 7:00pm - 8:50pm	Seats (Total: 40) VMH 1333 VMH 1418	 Discussion

ENES210 **Entrepreneurial Opportunity Analysis and Decision-Making in 21st Century Technology Ventures**

ENES210 Entrepreneurial Opportunity Analysis and Decision-Making in 21st Century Technology Ventures; (3 credits) Grade Method: REG/P-F/AUD. CORE Interdisciplinary & Emerging Issues (IE) Course. GenEd: Distributive Studies - Scholarship in Practice; Signature Courses - I-Series.
This multi-disciplinary course helps students learn the principles of entrepreneurial opportunity analysis and decision-making in an increasingly dynamic and technically-inclined society. Emphasis is placed on how aspiring technology entrepreneurs can develop their entrepreneurial perspectives to develop winning entrepreneurial plans for their future ventures.

0101	James Green TuTh 2:00pm - 3:15pm	Seats (Total: 90) SQH 1120
FC01	James Green MW 4:30pm - 5:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 75) CHM 1402

ENES213 **Virtus Living and Learning Community Seminar III**

ENES213 *(PermReq)* **Virtus Living and Learning Community Seminar III; (1 credit)** Grade Method: REG.
Prerequisite: ENES113. Restriction: Must be a participant in the second year of the Virtus program; and must be in Psychology program. The seminar focuses on personal, academic and professional success by cultivating leadership skills, developing academic and technical ability and encouraging self awareness, identifying and employing strategies for academic and professional success, further enhancing career development through networking and mentoring and developing awareness of diversity issues.

0101	Tamara Fuller Th 4:00pm - 5:15pm	Seats (Total: 35) JMP 1109

ENES215 **FLEXUS Living and Learning Community Seminar III**

ENES215 *(PermReq)* **FLEXUS Living and Learning Community Seminar III; (1 credit)** Grade Method: REG.
Prerequisite: ENES115 and ENES116. Restriction: Must be a second year FLEXUS participant (coded as WCY). The seminar focuses on personal, academic and professional success by cultivating leadership skills, developing self-confidence and self-efficacy in academic and technical ability and encouraging self awareness, identifying and employing strategies for academic and professional success, further enhancing career development through networking, mentoring and role modeling, and developing awareness of diversity issues, specifically gender diversity.

0101	Paige Smith Th 4:00pm - 5:15pm	Seats (Total: 42) EGR 1108	
0102	Paige Smith Contact instructor or department for details.	Seats (Total: 30)	

ENES220 **Mechanics II**

ENES220 *(PermReq)* **Mechanics II; (3 credits)** Grade Method: REG/AUD.
Prerequisite: Minimum grade of C- in ENES102; and (MATH141 and PHYS161). Restriction: Must be in a major in ENGR-A. James Clark School of Engineering; and must not be in Engineering: Electrical program. Stress and deformation of solids-rods, beams, shafts, columns, tanks, and other structural, machine and vehicle members. Topics include stress transformation using Mohr's circle; shear and moment diagrams; derivation of elastic curves; and Euler's buckling formula. Design problems related to this material are given in lab. Prerequisite: student in the College of Engineering.

0101	Peter Chang MW 9:00am - 9:50am F 9:00am - 10:50am	Seats (Total: 63) MCB 1207 CSS 2324	 Discussion
0201	Peter Chang MW 12:00pm - 12:50pm F 12:00pm - 1:50pm	Seats (Total: 63) PLS 1140 CHE 2110	 Discussion
0301	Robert Bonenberger MW 10:00am - 10:50am F 10:00am - 11:50am	Seats (Total: 60) CHM 2201 CHM 2201	 Discussion

0401	Thomas Beigel MW 2:00pm - 2:50pm F 2:00pm - 3:50pm	Seats (Total: 63) JMP 3201 ARM 0110	Discussion
0501	Robert Bonenberger MW 1:00pm - 1:50pm F 1:00pm - 2:50pm	Seats (Total: 63) CSI 2117 MCB 1207	Discussion
0601	Thomas Beigel MW 11:00am - 11:50am F 11:00am - 12:50pm	Seats (Total: 60) CHM 2201 ARM 0110	Discussion
0701	Eric Maxeiner Tu 5:00pm - 6:50pm Th 5:00pm - 6:50pm	Seats (Total: 63) JMP 3201 JMP 3201	Discussion

ENES221 **Dynamics**

ENES221 *(PermReq)* **Dynamics; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: Minimum grade of C- in ENES102; and (MATH141 and PHYS161). Restriction: Must be in a major in ENGR-A. James Clark School of Engineering.* Systems of heavy particles and rigid bodies at rest and in motion. Force-acceleration, work-energy and impulse-momentum relationships. Motion of one body relative to another in a plane and in space.

0101	Peter Sandborn MW 10:00am - 10:50am F 10:00am - 11:50am	Seats (Total: 65) MCB 1207 KEB 1110	Discussion
0102	Kevin Calabro MW 10:00am - 10:50am F 10:00am - 11:50am	Seats (Total: 65) SPH 1301 SPH 1301	Discussion
0103	Peter Sandborn MW 1:00pm - 1:50pm F 1:00pm - 2:50pm	Seats (Total: 65) CHE 2108 ANS 0408	Discussion
0104	Chandrasekhar Thamire MW 12:00pm - 12:50pm F 11:00am - 12:50pm	Seats (Total: 65) CSI 2117 SYM 0200	Discussion

ENES232 **Thermodynamics**

ENES232 Thermodynamics; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: PHYS261 and PHYS260. Restriction: Must be in a major in ENGR-A. James Clark School of Engineering. Credit only granted for: BIOE232, CHBE300, ENCH300, ENES232, ENMA461, ENME320, or ENME232. Formerly: ENME232 and ENME320.* Introduction to thermodynamics. Thermodynamic properties of matter. First and second laws of thermodynamics, cycles, reactions, and mixtures.

0101	Kristen Hines MW 9:00am - 9:50am Th 11:00am - 12:50pm	Seats (Total: 20) CHE 2110 PLS 1119	 Lab
0102	Kristen Hines MW 9:00am - 9:50am Th 1:00pm - 2:50pm	Seats (Total: 20) CHE 2110 EGR 0135	 Lab
0103	Kristen Hines MW 9:00am - 9:50am F 9:00am - 10:50am	Seats (Total: 20) CHE 2110 CHE 2136	 Lab
0201	Kristen Hines MW 10:00am - 10:50am Th 11:00am - 12:50pm	Seats (Total: 20) CHE 2110 PLS 1119	 Lab
0202	Kristen Hines MW 10:00am - 10:50am Th 1:00pm - 2:50pm	Seats (Total: 20) CHE 2110 EGR 0135	 Lab
0203	Kristen Hines MW 10:00am - 10:50am F 9:00am - 10:50am	Seats (Total: 20) CHE 2110 CHE 2136	 Lab

ENES390H **Systems Thinking for Managerial Decision Making**

ENES390H Systems Thinking for Managerial Decision Making; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ENES190 or BMGT190. Restriction: Must be in the QUEST program. Also offered as: BMGT390. Credit only granted for: BMGT390, BMGT498X, ENES390, or ENES498X. An introduction to the theory, concepts, tools, and practices of systems thinking to enhance managerial decision making. Offers a blend of theory, real-life examples, and proven methods to initiate and sustain an organization-wide reorientation towards systems thinking. Restricted to QUEST program students. Also offered as BMGT390H.

0101	Jose Suarez MW 5:00pm - 6:15pm	Seats (Total: 45) VMH 1307

ENES424 **Engineering Leadership Capstone**

ENES424 Engineering Leadership Capstone; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ENES472, ENCE320, and ENES317; and permission of ENGR-A. James Clark School of Engineering. Recommended: ENES100. The work initiated in the Introduction to Engineering Leadership course brings together further exploration of leadership styles and concepts. Restricted to students with a minor in Engineering Leadership Developmen t.

0101	Ramsey Jabaji M 5:00pm - 7:45pm	Seats (Total: 30) JMP 1109

ENES440 **Science, Technology and Society: Certificate Program Capstone**

ENES440 Science, Technology and Society: Certificate Program Capstone; (3 credits) Grade Method: REG/P-F/AUD.
Restriction: Must be in the Science, Technology and Society certificate program; or permission of ENGR-A. James Clark School of Engineering. Credit only granted for: ENES440 or UNIV401. Formerly: UNIV401. Capstone research seminar for students in the Science, Technology and Society certificate program.

0101	Betsy Mendelsohn Contact instructor or department for details.	Seats (Total: 10)

ENES461 **Advanced Entrepreneurial Opportunity Analysis in Technology Ventures**

ENES461 Advanced Entrepreneurial Opportunity Analysis in Technology Ventures; (3 credits) Grade Method: REG/P-F/AUD.

Explores the factors that influence entrepreneurial opportunity analysis in technology-based ventures. Uses a cognitive theoretical framework to examine the integration of motivation, emotions and information processing modes to make complex entrepreneurial decisions in fast pace technology venture environments.

0101	James Green Tu 3:30pm - 4:45pm Th 5:00pm - 6:15pm *Restricted to students in the Hinman CEO program.*	Seats (Total: 55) SCC 2121 SQH 1119
0201	Carolyn Karlson F 12:00pm - 2:50pm *Restricted to students in the Hillman Entrepreneurs Program.*	Seats (Total: 25) JMP 1109

ENES462 **Marketing High-Technology Products and Innovations**

ENES462 Marketing High-Technology Products and Innovations; (3 credits) Grade Method: REG/P-F/AUD.

Examines the opportunities and challenges of marketing high-technology products in turbulent environments requiring rapid decision making with incomplete information. Explores how innovations are introduced at frequent intervals, research-and-development spending is vital, and there are high mortality rates for both products and businesses.

0101	James Green TuTh 5:00pm - 6:15pm *Restricted to students in the Hinman CEO program.*	Seats (Total: 50) SCC 2121
WB11	James Green Class time/details on ELMs *Restricted to students enrolled in the Minor in Technology Entrepreneurship.*	Seats (Total: 60) ONLINE

ENES463 **Strategies for Managing Innovation**

ENES463 Strategies for Managing Innovation; (3 credits) Grade Method: REG/P-F/AUD.

Emphasizes how the technology entrepreneur can use strategic management of innovation and technology to enhance firm performance. Examines the process of technological change, the ways that firms come up with innovations, the strategies that firms use to benefit from innovation, and the process of formulating technology strategy. Provides frameworks for analyzing key aspects of these industries and teaches students how to apply these frameworks. Restricted to students in the Hillman Entrepreneurs Program.

0101	Joseph Mortati	Seats (Total: 20)
	W 5:00pm - 7:45pm	POT 2111

ENES472 **International Business Cultures in Engineering and Technology**

ENES472 International Business Cultures in Engineering and Technology; (3 credits) Grade Method: REG/P-F/AUD.

Prerequisite: Permission of ENGR-A. James Clark School of Engineering. Restriction: Sophomore standing or higher. Also offered as: SLLC472. Credit only granted for: ARHU439B, ARHU439E, ARHU439T, ENES472, SLLC471, SLLC472, or SLLC473. Formerly: ARHU439T. The goal is to provide students with an understanding of cultural aspects pertaining to global business and engineering and develop the cultural understanding, attitudes, and communication skills needed to function appropriately within an increasingly global and multicultural working environment. Restricted to students with the minor in international engineering (#EN01) or in engineering leadership development (#EN04). All other students can be placed on a hold file.

0101	Kevin McClure	Seats (Total: 50)
	Th 5:00pm - 7:45pm	PHY 1204

ENES478 **Topics in Engineering Education**

ENES478 *(PermReq)* **Topics in Engineering Education; (1 credit)** Grade Method: REG/P-F/AUD.

0101	Nicole Roop, Kevin Calabro	Seats (Total: 16)
	F 4:00pm - 5:00pm	JMP 3216

ENES480 **Engineering Honors Seminar I**

ENES480 Engineering Honors Seminar I; (1 credit) Grade Method: REG.
Restriction: Must be in College of Engineering Honors; and Junior standing or higher. Introduction to engineering leadership, professionalism, and ethics. Discussions of leadership style, elements of success, professional communication, codes of ethics, handling of ethical dilemmas, and the characteristics of a professional.

0103	Richard McCuen Th 11:00am - 11:50am	Seats (Total: 15) EGR 1102	

ENES489P **Special Topics in Engineering; Hands-on Systems Engineering Projects**

ENES489P Special Topics in Engineering: Hands-on Systems Engineering Projects; (3 credits) Grade Method: REG/P-F/AUD.

0101	Mark Austin Tu 5:00pm - 6:15pm Th 3:30pm - 6:00pm	Seats (Total: 40) EGR 3106 AVW 2250	 Lab

ENES490H **Quest Consulting and Innovation Practicum**

ENES490H Quest Consulting and Innovation Practicum; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ENES390 or BMGT390. Also offered as: BMGT490. Credit only granted for: BMGT490 or ENES490. Final course in the QUEST Honors Fellows Program three-course curriculum. Based on a team-based consulting project with one of QUEST's professional partners. A project advisor and professional champion supervise each student team. Requires extensive out-of-class work. Fourth course in a sequence of four Total Quality Program Courses. For total Quality Program participants only.

0101	David Ashley, Joseph Bailey, Nicole Coomber W 5:00pm - 7:40pm Contact instructor or department for details.	Seats (Total: 80) VMH 1333	

ENES602 **Future Faculty Program Seminar II**

ENES602 *(PermReq)* **Future Faculty Program Seminar II; (1 credit)** Grade Method: REG/AUD.
Restriction: Must be in the Clark School Future Faculty Program. Effective teaching techniques. Basic principles of education and learning. Developing a course; promoting active learning, problem solving and critical thinking; designing exam and assignments; and communicating effectively with students. This course is only open to students in the Clark School Future Faculty Program or by permission of Department.

0101	Steven Marcus	Seats (Total: 25)
	M 3:30pm - 4:45pm	AVW 2460

ENES604 **Future Faculty Program Teaching Practicum**

ENES604 *(PermReq)* **Future Faculty Program Teaching Practicum; (1 credit)** Grade Method: REG/AUD.
Prerequisite: ENES602. Restriction: Must be a graduate student in the Clark School Future Faculty Program; and Students for whom English is not the native language must pass the Maryland English Institute ITA Evaluation prior to enrolling in this course. Graduate students will co-teach a course under supervision of a faculty mentor. Graudate students will be involved in all aspects of the course including development of syllabus, presenting lectures, writing and grading examiniations, and evaluating the students in the course.

0101	Mark Shayman	Seats (Total: 10)
	Contact instructor or department for details.	

ENFP Engineering, Fire Protection Fall 2012

ENFP101 **Hot Topics in Fire Protection Engineering**

ENFP101 *(PermReq)* **Hot Topics in Fire Protection Engineering; (1 credit)** Grade Method: REG/P-F/AUD.
Restriction: Permission of ENGR-Fire Protection Engineering department. Credit only granted for: ENFP 108 or ENFP 101. Formerly: ENFP108. Current issues of importance to fire protection engineering. Topics focus on advances in basic fire science, computerized fire modeling, safety systems, human behavior and fire, fire toxicity, risk analysis, performance based fire safety, fire reconstruction, arson and evidence, voluntary fire safety standards, codes, and relations with other disciplines including architecture and the built environment, loss prevention and fire insurance.

0101	James Milke W 4:00pm - 4:50pm	Seats (Total: 20) JMP 3216	

ENFP250 **Introduction to Life Safety Analysis**

ENFP250 Introduction to Life Safety Analysis; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Permission of ENGR-Fire Protection Engineering department. Credit only granted for: ENFP250 or ENFP251. Formerly: ENFP251. Introduction to fire protection engineering and building regulation, building safety systems, and egress system design. Evacuation modeling. Human behavior in fires. Tenability Analysis.

0101	Mat Chibbaro, James Milke TuTh 9:30am - 10:45am F 1:00pm - 1:50pm	Seats (Total: 49) JMP 3216 CHE 2118	 Discussion

ENFP310 **Water Based Fire Protection Systems Design**

ENFP310 Water Based Fire Protection Systems Design; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ENFP300. Corequisite: Concurrently enrolled in ENFP312. Restriction: Permission of ENGR-Fire Protection Engineering department. Introduction to aqueous fire suppression. Discussion of key fluid dynamics and heat transfer processes in aqueous fire suppression. System design and performance analysis based on national standards, hydraulic theory and elementary fluid dynamics and heat transfer.

0101	Joseph Simone, Peter Sunderland TuTh 4:00pm - 5:15pm	Seats (Total: 40) JMP 3216

ENFP312 **Heat and Mass Transfer**

ENFP312 Heat and Mass Transfer; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ENES232 and ENFP300. Restriction: Permission of ENGR-Fire Protection Engineering department. Fundamentals of heat and mass transfer. Conduction, convection, and radiation modes of heat transfer. Diffusion concepts and evaporation phenomena. Problem solving techniques with application to fire problems.

0101	Marino diMarzo MWF 11:00am - 11:50am	Seats (Total: 40) JMP 3216

ENFP405 **Structural Fire Protection**

ENFP405 Structural Fire Protection; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: ENES220. Restriction: Must be in Engineering: Fire Protection program; and permission of ENGR-Fire Protection Engineering department.* Effects of elevated temperature on structural materials; steel, concrete, wood, gypsum, glass and reinforced plastics. Experimental evaluation of fire resistance of building assemblies. Analytical methods to evaluate fire resistance of structural members.

0101	Stephen Hill, Jason Sutula	Seats (Total: 40)	
	W 1:00pm - 2:50pm	JMP 3216	
	M 2:00pm - 2:50pm	JMP 3216	Discussion

ENFP415 **Fire Dynamics**

ENFP415 *(PermReq)* **Fire Dynamics; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: ENFP312. Restriction: Permission of ENGR-Fire Protection Engineering department.* Introduction to premixed and diffusion flames; ignition, flame spread and rate of burning; fire plumes; flame radiation.

0101	Stanislav Stoliarov	Seats (Total: 45)
	TuTh 2:00pm - 3:15pm	JMP 3216

ENFP425 **Enclosure Fire Modeling**

ENFP425 Enclosure Fire Modeling; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: ENES232 and ENFP300. Restriction: Must be in Engineering: Fire Protection program; and Senior standing; and permission of ENGR-Fire Protection Engineering department.* An introduction to the elements of enclosure fires through the development of fire modeling algorithms and the application of computer-based fire modeling techniques. Numerical techniques, including curve-fitting, root-finding, integration and the solution of ordinary differential equations, are developed in the context of enclosure fire modeling applications. Math software packages, including primarily spreadsheet programs, are used to address and solve a variety of enclosure fire problems.

0101	Arnaud Trouve	Seats (Total: 45)
	TuTh 12:30pm - 1:45pm	JMP 3216

ENFP429 **Independent Studies**

ENFP429 *(PermReq)* **Independent Studies; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Senior standing. For ENFP majors only.

Contact department for information to register for this course.

ENFP489 **Special Topics**

ENFP489 *(PermReq)* **Special Topics; (3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
For ENFP majors only.

Contact department for information to register for this course.

ENFP489N **Special Topics; Fire and Explosion: Investigation and Reconstruction**

ENFP489N Special Topics: Fire and Explosion: Investigation and Reconstruction; (3 credits) Grade Method: REG/P-F/AUD.
For students with senior standing.

0101	Noah Ryder	Seats (Total: 30)
	M 4:00pm - 6:45pm	BPS 1238

ENFP611 **Fire Induced Flows**

ENFP611 Fire Induced Flows; (3 credits) Grade Method: REG/AUD.
Prerequisite: ENFP415. Theoretical basis is presented for fire induced bouyancy driven flows. Plumes, ceiling jets, vent flows, compartment flows. Dimensional analysis for correlations and scale model applications. Smoke movement and combustion products.

0101	Andre Marshall	Seats (Total: 20)
	TuTh 11:00am - 12:15pm	ANS 0402

ENFP619 **Graduate Seminar**

ENFP619 *(PermReq)* **Graduate Seminar; (1-3 credits)** Grade Method: REG/AUD.

0101	Arnaud Trouve	Seats (Total: 5)	
	Contact instructor or department for details.		

ENFP621 **Analytical Procedures of Structural Fire Protection**

ENFP621 Analytical Procedures of Structural Fire Protection; (3 credits) Grade Method: REG/AUD.
Prerequisite: ENFP405 and ENFP312. Analysis procedures for structural components of wood, steel, concrete, composites. Structural capabilities, modifications under fire induced exposures. Calculations, computer models for predicting fire resistance ratings of structural components.

0101	Jason Sutula	Seats (Total: 9)	
	W 1:00pm - 2:50pm	JMP 3216	
	M 2:00pm - 2:50pm	JMP 3216	Discussion

ENFP629 **Selected Topics**

ENFP629 *(PermReq)* **Selected Topics; (3-6 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENFP629N **Selected Topics; Fire and Explosion: Investigation and Reconstruction**

ENFP629N Selected Topics: Fire and Explosion: Investigation and Reconstruction; (3 credits) Grade Method: REG/AUD.

0101	Noah Ryder	Seats (Total: 20)	
	M 4:00pm - 6:45pm	JMP 3216	

ENFP649 **Special Problems**

ENFP649 *(PermReq)* **Special Problems; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENFP651 **Advanced Fire Dynamics**

ENFP651 *(PermReq)* **Advanced Fire Dynamics; (3 credits)** Grade Method: REG/AUD.
Credit only granted for: ENFP629A or ENFP651. Formerly: ENFP629A. A review of the basic chemistry and physics necessary to understanding fire dynamics; and of the physics of heat transfer and turbulent fluid flow will be given. The nature and structure of premixed and diffusion flames will be presented.

0101	Stanislav Stoliarov	Seats (Total: 9)
	TuTh 2:00pm - 3:15pm	JMP 3216

ENFP652 **Fire Assessment Methods**

ENFP652 Fire Assessment Methods; (3 credits) Grade Method: REG/AUD.
Credit only granted for: ENFP629B or ENFP652. Formerly: ENFP629B. This on-line course offers a comprehensive review of experimental techniques to assess fire performance characteristics of materials, products and assemblies.

EF01	Marc Janssens	Seats (Total: 40)
	Meets September 3, 2012 - November 19, 2012	
	Class time/details on ELMs	ONLINE

ENFP661 **Forensic Fire Analysis**

ENFP661 Forensic Fire Analysis; (3 credits) Grade Method: REG/AUD.
Credit only granted for: ENFP629D or ENFP661. Formerly: ENFP629D. This on-line course addresses the forensic analysis of structural fire incidents in terms of enclosure fire dynamics and the impact of fire safety subsystems used to prevent or mitigate the consequences of fire. These subsystems include: ignition prevention, material flammability and flame spread, fire detection and alarm, fire suppression, smoke movement and management, structural fire protection and egress systems. Failures in these subsystems are addressed in terms of differences between expected and observed performance.

EF01	David Icove, Gerald Haynes	Seats (Total: 40)
	Meets September 3, 2012 - November 19, 2012	
	Class time/details on ELMs	ONLINE

ENFP799 **Master's Thesis Research**

ENFP799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENGL English Fall 2012

ENGL101 **Academic Writing**

English as a second language classes are listed under UMEI.
For more detailed course descriptions, click here to visit the English department website.
ENGL101 Academic Writing; (3 credits) Grade Method: REG. GenEd: Fundamental Studies - Academic Writing.
An introductory course in expository writing. Students with a TWSE score below 33 must take ENGL 101A in place of ENGL101. Students for whom English is a second language should consider taking ENGL101X in place of ENGL101.

0101	Linda Macri MWF 9:00am - 9:50am	Seats (Total: 22) SQH 1111
0102	Sarah Treadwell MWF 9:00am - 9:50am	Seats (Total: 22) SQH 1123
0103	Tod Jones MWF 9:00am - 9:50am	Seats (Total: 22) SQH 2119
0104	William Pittman MWF 9:00am - 9:50am	Seats (Total: 22) TWS 1105
0201	Sarah Treadwell MWF 10:00am - 10:50am	Seats (Total: 22) SQH 1123
0202	Tod Jones MWF 10:00am - 10:50am	Seats (Total: 22) SQH 2119
0203	Heather McHale MWF 10:00am - 10:50am	Seats (Total: 22) SQH 2121

0204	Linda Macri MWF 10:00am - 10:50am	Seats (Total: 22) SQH 2120
0301	Amanda Giffi MWF 11:00am - 11:50am	Seats (Total: 22) SQH 1123
0302	Catherine Bayly MWF 11:00am - 11:50am	Seats (Total: 22) SQH 1103
0303	Jamison Kantor MWF 11:00am - 11:50am	Seats (Total: 22) SQH 2121
0304	Anna Rowser MWF 11:00am - 11:50am	Seats (Total: 22) SQH 2120
0305	Michelle Koerner MWF 11:00am - 11:50am	Seats (Total: 22) SQH 1107
0315	Marian Carpenter MWF 11:00am - 11:50am	Seats (Total: 9) CCC 1115
0401	Katherine Stanutz MWF 12:00pm - 12:50pm	Seats (Total: 22) SQH 1123
0402	William Pittman MWF 12:00pm - 12:50pm	Seats (Total: 22) SQH 2119
0403	Catherine Bayly MWF 12:00pm - 12:50pm	Seats (Total: 22) SQH 2121
0404	Anna Rowser MWF 12:00pm - 12:50pm	Seats (Total: 22) SQH 2120
0413	Marian Carpenter MWF 12:00pm - 12:50pm	Seats (Total: 8) CCC 1111
0501	Dawn Dorland Perry MWF 1:00pm - 1:50pm	Seats (Total: 22) SQH 1123
0502	Carolyn Decarlo MWF 1:00pm - 1:50pm	Seats (Total: 22) SQH 2119

0503	Catherine Bayly MWF 1:00pm - 1:50pm	Seats (Total: 22) SQH 2121
0504	Rachel Carstens MWF 1:00pm - 1:50pm	Seats (Total: 22) SQH 2120
0601	Laurie Adamson MWF 2:00pm - 2:50pm	Seats (Total: 22) SQH 1123
0602	Gillian Knoll MWF 2:00pm - 2:50pm	Seats (Total: 22) SQH 1101
0603	Carlea Holl-Jensen MWF 2:00pm - 2:50pm	Seats (Total: 22) SQH 2121
0604	Rachel Carstens MWF 2:00pm - 2:50pm	Seats (Total: 22) SQH 2120
0605	Michelle Koerner MWF 2:00pm - 2:50pm	Seats (Total: 22) TWS 1105
1001	Joanne Roby TuTh 8:00am - 9:15am	Seats (Total: 22) TWS 0201
1002	Joseph Bueter TuTh 8:00am - 9:15am	Seats (Total: 22) TWS 0205
1101	Katherine Young TuTh 9:30am - 10:45am	Seats (Total: 22) SQH 1123
1102	Taylor Adams TuTh 9:30am - 10:45am	Seats (Total: 22) SQH 2119
1103	Paul Haynos TuTh 9:30am - 10:45am	Seats (Total: 22) SQH 2121
1104	Sharon Higby TuTh 9:30am - 10:45am	Seats (Total: 22) SQH 2120
1105	Susan Pramschufer TuTh 9:30am - 10:45am	Seats (Total: 22) SQH 1107

1201	Katherine Young TuTh 11:00am - 12:15pm	Seats (Total: 22) SQH 1123
1202	Kisa Lape TuTh 11:00am - 12:15pm	Seats (Total: 22) SQH 2119
1203	Joseph Bueter TuTh 11:00am - 12:15pm	Seats (Total: 22) SQH 2121
1204	Sharon Higby TuTh 11:00am - 12:15pm	Seats (Total: 22) SQH 2120
1205	John Macintosh TuTh 11:00am - 12:15pm	Seats (Total: 22) JMZ 0120
1206	Caroline Randall TuTh 11:00am - 12:15pm	Seats (Total: 22) SQH 2122
1301	Shaun Gannon TuTh 12:30pm - 1:45pm	Seats (Total: 22) SQH 1123
1302	Eric Kozlik TuTh 12:30pm - 1:45pm	Seats (Total: 22) SQH 1101
1303	Ena Djordjevic TuTh 12:30pm - 1:45pm	Seats (Total: 22) SQH 2121
1304	Noah Fabricant TuTh 12:30pm - 1:45pm	Seats (Total: 22) SQH 2120
1307	Laura Gordon TuTh 12:30pm - 1:45pm	Seats (Total: 22) SQH 1111
1401	Shaun Gannon TuTh 2:00pm - 3:15pm	Seats (Total: 22) SQH 1123
1402	Elizabeth McClure TuTh 2:00pm - 3:15pm	Seats (Total: 22) SQH 1111
1403	Allison Wyss TuTh 2:00pm - 3:15pm	Seats (Total: 22) SQH 2119

1404	Ena Djordjevic TuTh 2:00pm - 3:15pm	Seats (Total: 22) SQH 2121
	The following sections (BL01-BL15) are part of the Fall 2012 Blended Iniative. Click here for more course information.	
BL01	Elizabeth Colson W 9:00am - 10:15am M 9:00am - 10:15am	Seats (Total: 22) TWS 0232 ONLINE
	This class meets in person once a week; the other class work is done online.	
BL02	Lyra Hilliard W 10:00am - 11:15am M 10:00am - 11:15am	Seats (Total: 22) WDS 1130 ONLINE
	This class meets in person once a week; the other class work is done online.	
BL03	Elizabeth Colson W 11:00am - 12:15pm M 11:00am - 12:15pm	Seats (Total: 22) TWS 0224 ONLINE
	This class meets in person once a week; the other class work is done online.	
BL04	Lyra Hilliard W 12:00pm - 1:15pm M 12:00pm - 1:15pm	Seats (Total: 22) SQH 1101 ONLINE
	This class meets in person once a week; the other class work is done online.	
BL05	Thomas Earles W 12:00pm - 1:15pm Class time/details on ELMs	Seats (Total: 22) KEY 0126 ONLINE
	This class meets in person once a week; the other class work is done online.	
BL06	John Duck W 1:00pm - 2:15pm Class time/details on ELMs	Seats (Total: 22) HBK 0123 ONLINE
	This class meets in person once a week; the other class work is done online.	
BL07	Lyra Hilliard W 2:00pm - 3:15pm M 2:00pm - 3:15pm	Seats (Total: 22) SQH 2122 ONLINE
	This class meets in person once a week; the other class work is done online.	

BL08	David Brookshire Th 9:30am - 10:45am Class time/details on ELMs *This class meets in person once a week; the other class work is done online.*	Seats (Total: 22) SQH 2122 ONLINE
BL09	Douglas Kern Th 9:30am - 10:45am Class time/details on ELMs *This class meets in person once a week; the other class work is done online.*	Seats (Total: 22) KEY 0124 ONLINE
BL10	David Brookshire Th 11:00am - 12:15pm Class time/details on ELMs *This class meets in person once a week; the other class work is done online.*	Seats (Total: 22) KEY 0123 ONLINE
BL11	Nabila Hijazi Th 11:00am - 12:15pm Tu 11:00am - 12:15pm *This class meets in person once a week; the other class work is done online.*	Seats (Total: 22) PLS 1172 ONLINE
BL12	Nabila Hijazi Th 12:30pm - 1:45pm Tu 12:30pm - 1:45pm *This class meets in person once a week; the other class work is done online.*	Seats (Total: 22) KEY 0124 ONLINE
BL13	Douglas Kern Th 12:30pm - 1:45pm Class time/details on ELMs *This class meets in person once a week; the other class work is done online.*	Seats (Total: 22) KEY 0120 ONLINE
BL14	Douglas Kern Th 2:00pm - 3:15pm Class time/details on ELMs *This class meets in person once a week; the other class work is done online.*	Seats (Total: 22) SQH 2122 ONLINE
BL15	Lyra Hilliard Th 2:00pm - 3:15pm Tu 2:00pm - 3:15pm *This class meets in person once a week; the other class work is done online.*	Seats (Total: 22) KEY 0124 ONLINE

FC01	James Goodwin MW 3:00pm - 4:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 18) JMZ 1122
FC02	Joani Elliott M 4:30pm - 5:45pm W 4:30pm - 5:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 18) ASY 3215 TWS 0232
FC03	Adam Binkley MW 6:00pm - 7:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 18) KEY 0124
FC04	Joani Elliott M 6:00pm - 7:15pm W 6:00pm - 7:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 18) TLF 1101 TWS 0223
FC05	James Goodwin MW 6:00pm - 7:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 18) JMZ 3120
FC06	Ann Mason MW 7:30pm - 8:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 18) TWS 1106
FC07	Adam Binkley MW 7:30pm - 8:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 18) KEY 0124
FC08	Morgan Fritz TuTh 3:30pm - 4:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 18) ASY 3221
FC09	Allison Wyss TuTh 3:30pm - 4:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 18) JMZ 1215

FC10	Diana Owen TuTh 5:00pm - 6:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 18) JMZ 2122
FC11	Aditya Desai TuTh 5:00pm - 6:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 18) BPS 1238
FC12	Diana Owen TuTh 6:30pm - 7:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 18) KEY 0124
FC13	Aditya Desai TuTh 6:30pm - 7:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 18) HJP 1125
FC14	Emily Lyons TuTh 6:30pm - 7:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 18) ASY 3221
FC15	Morgan Fritz TuTh 6:30pm - 7:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 18) HBK 1108
FC16	Adam Binkley TuTh 6:30pm - 7:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 18) KEY 0123
FC17	Amanda Bachert TuTh 6:30pm - 7:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 18) KEY 0121

ENGL101A **Academic Writing**

ENGL101A Academic Writing; (3 credits) Grade Method: REG. GenEd: Fundamental Studies - Academic Writing.
An introductory course in expository writing. Students should take ENGL 101A rather than ENGL 101 if their TWSE score (a subscore of the SAT verbal) is 33 or below.

1701	Laura Gordon TuTh 9:30am - 10:45am	Seats (Total: 15) KEY 0120
1702	Carlea Holl-Jensen MWF 11:00am - 11:50am	Seats (Total: 15) TLF 1103

ENGL101C **Academic Writing**

ENGL101C Academic Writing; (3 credits) Grade Method: REG. GenEd: Fundamental Studies - Academic Writing.
An introductory course in expository writing. Restricted to students in the Civicus Program.

0209	Susan Pramschufer MWF 10:00am - 10:50am	Seats (Total: 22) SOM 0101
0311	Susan Pramschufer MWF 11:00am - 11:50am	Seats (Total: 22) SOM 0101

ENGL101H **Academic Writing**

ENGL101H Academic Writing; (3 credits) Grade Method: REG. GenEd: Fundamental Studies - Academic Writing.
An introductory course in expository writing. For general honors students or students with a verbal SAT of 600 or better.

0211	Justin Lohr MWF 10:00am - 10:50am	Seats (Total: 22) TWS 0234
0312	Justin Lohr MWF 11:00am - 11:50am	Seats (Total: 22) KEY 0123
0509	Justin Lohr MWF 1:00pm - 1:50pm	Seats (Total: 22) KEY 0124
1111	Sarah Pleydell TuTh 9:30am - 10:45am	Seats (Total: 22) EDU 0206
1214	Sarah Pleydell TuTh 11:00am - 12:15pm	Seats (Total: 22) KNI 1103

1311	Sarah Pleydell TuTh 12:30pm - 1:45pm	Seats (Total: 22) KNI 1103

ENGL101M **Academic Writing**
Contact department for information to register for this course.

ENGL101S **Academic Writing**

ENGL101S Academic Writing; (3 credits) Grade Method: REG. GenEd: Fundamental Studies - Academic Writing.
An introductory course in expository writing. This course is restricted to College Park Scholars.

0107	Rebekah Cunningham MWF 9:00am - 9:50am	Seats (Total: 22) CCC 1111
0108	Kshiti Vaghela MWF 9:00am - 9:50am	Seats (Total: 22) CCC 1115
0210	Rebekah Cunningham MWF 10:00am - 10:50am	Seats (Total: 22) CCC 1115
0314	Christopher Hazlett MWF 11:00am - 11:50am	Seats (Total: 22) CCC 1105
0315	Marian Carpenter MWF 11:00am - 11:50am	Seats (Total: 13) CCC 1115
0411	Christopher Hazlett MWF 12:00pm - 12:50pm	Seats (Total: 22) CCC 1105
0412	Rebekah Cunningham MWF 12:00pm - 12:50pm	Seats (Total: 22) CCC 1115
0413	Marian Carpenter MWF 12:00pm - 12:50pm	Seats (Total: 14) CCC 1111
0511	Christopher Hazlett MWF 1:00pm - 1:50pm	Seats (Total: 22) CCC 1105

0512	Kshiti Vaghela MWF 1:00pm - 1:50pm	Seats (Total: 22) CCC 1115
1113	Travis Webster TuTh 9:30am - 10:45am	Seats (Total: 22) CCC 1115
1212	Travis Webster TuTh 11:00am - 12:15pm	Seats (Total: 22) CCC 1105
1213	Morgan Fritz TuTh 11:00am - 12:15pm	Seats (Total: 22) CCC 1115
1312	Travis Webster TuTh 12:30pm - 1:45pm	Seats (Total: 22) CCC 1111

ENGL101X **Academic Writing**

ENGL101X Academic Writing; (3 credits) Grade Method: REG. GenEd: Fundamental Studies - Academic Writing.
An introductory course in expository writing. Limited to students for whom English is a second language. To register for ENGL 101X, a student must first demonstrate competence in English. Proof of one of the following should be brought to Undergraduate Advising. A TOEFL score of 550 with no sectional score below 50. 2. A CELT score of 220 with no subtest score below 60 and a rating of 5 or better on the writing sample. 3. Successful completion of UMEI 005: Advanced English as a Foreign Language, Semi-Intensive.

2003	Daniel Knowlton TuTh 11:00am - 12:15pm	Seats (Total: 18) JMZ 1224
2004	William Pittman MWF 10:00am - 10:50am	Seats (Total: 18) TWS 1105

ENGL201 **Inventing Western Literature: Ancient and Medieval Traditions**

ENGL201 Inventing Western Literature: Ancient and Medieval Traditions; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course. GenEd: Distributive Studies - Humanities.
Wide range of texts, genres, and themes from ancient and medieval Western traditions. Study of cultural, historical, and artistic forces shaping traditions, and the influence and relevance of those traditions to life in twenty-first century.

0101	Amanda Bailey	Seats (Total: 30)
	TuTh 11:00am - 12:15pm	SQH 1101

ENGL202 **Inventing Western Literature: Renaissance to Modern**

ENGL202 Inventing Western Literature: Renaissance to Modern; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course. GenEd: Distributive Studies - Humanities.
Wide range of texts from the Renaissance to the 21st century. Themes and literary techniques in the evolution of Western literature. Print publication, industrialization, questioning of religious, political, intellectual, and cultural authority.

0201	Jamison Kantor	Seats (Total: 30)
	MWF 10:00am - 10:50am	TWS 0205

ENGL206 **Shakespeare**
Contact department for information to register for this course.

ENGL211 **English Literature: Beginnings to 1800**

ENGL211 English Literature: Beginnings to 1800; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course. GenEd: Distributive Studies - Humanities.
Surveys medieval and early modern literary works written in England. Readings may include Beowulf, Chaucer, Spenser, Mary Wroth, Milton; eighteenth-century satire, drama, novels.

0101	Adam Neff	Seats (Total: 30)
	TuTh 11:00am - 12:15pm	SQH 1107

ENGL212 **English Literature: 1800 to the Present**

ENGL212 English Literature: 1800 to the Present; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course. GenEd: Distributive Studies - Humanities.
Surveys the major literary movements of the period, from Romantic to Victorian to Modern. Such authors as Wordsworth, Keats, Bronte, Tennyson, Browning, Yeats, Joyce, Woolf.

0101	Nancy Stewart MWF 12:00pm - 12:50pm	Seats (Total: 30) KEY 0125
0201	Rachel Penman TuTh 12:30pm - 1:45pm	Seats (Total: 30) KEY 0116

ENGL221 **American Literature: Beginning to 1865**

ENGL221 American Literature: Beginning to 1865; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course. GenEd: Distributive Studies - Humanities.
Surveys American writing from the founding of the colonies through the Civil War. Authors such as Taylor, Cooper, Poe, Dickinson.

0101	Amanda Dykema MWF 1:00pm - 1:50pm	Seats (Total: 30) TWS 0214

ENGL222 **American Literature: 1865 to Present**

ENGL222 American Literature: 1865 to Present; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course. GenEd: Distributive Studies - Humanities.
Surveys American writing from the Civil War through the Cold War. Authors such as Clemens, Frost, Hurston, Bellow.

0201	Emily Perez MWF 11:00am - 11:50am	Seats (Total: 30) KEY 0125
0301	Paul Cote TuTh 9:30am - 10:45am	Seats (Total: 30) TWS 0205
0401	Elizabeth Depriest TuTh 11:00am - 12:15pm	Seats (Total: 30) SQH 1105

ENGL233 **Introduction to Asian American Literature**

ENGL233 Introduction to Asian American Literature; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - Humanities; Diversity - Understanding Plural Societies. *Restriction: Must not have completed AAST233. Also offered as: AAST233. Credit only granted for: AAST233, AAST298L, or ENGL233.* A survey of Asian American literatures with an emphasis on recurrent themes and historical context.

0101	Lawrence-Minh Davis Tu 5:00pm - 7:30pm	Seats (Total: 35) KEY 0116	

ENGL234 **African-American Literature and Culture**

ENGL234 African-American Literature and Culture; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - Humanities; Diversity - Understanding Plural Societies.
An exploration of the stories black authors tell about themselves, their communities, and the nation as informed by time and place, gender, sexuality, and class. African American perspective themes such as art, childhood, sexuality, marriage, alienation and mortality, as well as representations of slavery, Reconstruction, racial violence and the Nadir, legalized racism and segregation, black patriotism and black ex-patriots, the optimism of integration, and the prospects of a post-racial America. Also offered as AASP298L. Credit will be granted for one of the following: AASP298L or ENGL234.

0101	Zita Nunes MW 1:00pm - 1:50pm F 1:00pm - 1:50pm	Seats (Total: 20) EGR 1202 ASY 3207	 Discussion
0102	Zita Nunes MW 1:00pm - 1:50pm F 12:00pm - 12:50pm	Seats (Total: 20) EGR 1202 EDU 2102	 Discussion
0103	Zita Nunes MW 1:00pm - 1:50pm F 1:00pm - 1:50pm	Seats (Total: 20) EGR 1202 EDU 0206	 Discussion
0104	Zita Nunes MW 1:00pm - 1:50pm F 11:00am - 11:50am	Seats (Total: 20) EGR 1202 EDU 1107	 Discussion

0105	Zita Nunes MW 1:00pm - 1:50pm F 9:00am - 9:50am	Seats (Total: 20) EGR 1202 KNI 1103	Discussion
0106	Zita Nunes MW 1:00pm - 1:50pm F 10:00am - 10:50am	Seats (Total: 20) EGR 1202 KNI 1103	Discussion
0107	Zita Nunes MW 1:00pm - 1:50pm F 10:00am - 10:50am	Seats (Total: 20) EGR 1202 TYD 2111	Discussion
0108	Zita Nunes MW 1:00pm - 1:50pm F 11:00am - 11:50am	Seats (Total: 20) EGR 1202 KNI 1103	Discussion

ENGL241 **What the Novel Does**

ENGL241 What the Novel Does; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course. GenEd: Distributive Studies - Humanities.
An exploration of what the novel does that cannot be done by film, by television, by cell-phone screens, by any stream of images, or by textual excerpts pulled up for a quick read. The different ways of the novel, with particular focus on the process of thinking and the developed consciousness. The novel as a machine to think with and an irreplaceable model of complex human thought. Study of how thought is presented in radically different ways in novels that cross lines of class, gender, chronology, and nationality.

0101	John Auchard TuTh 12:30pm - 1:20pm F 10:00am - 10:50am	Seats (Total: 20) MMH 1400 KNI 1105	Discussion
0102	John Auchard TuTh 12:30pm - 1:20pm F 11:00am - 11:50am	Seats (Total: 20) MMH 1400 ASY 3203	Discussion
0103	John Auchard TuTh 12:30pm - 1:20pm F 12:00pm - 12:50pm	Seats (Total: 20) MMH 1400 TWS 0236	Discussion

0104	John Auchard TuTh 12:30pm - 1:20pm F 12:00pm - 12:50pm	Seats (Total: 20) MMH 1400 EDU 3233	Discussion
0105	John Auchard TuTh 12:30pm - 1:20pm F 1:00pm - 1:50pm	Seats (Total: 20) MMH 1400 LEF 1221	Discussion
0106	John Auchard TuTh 12:30pm - 1:20pm F 11:00am - 11:50am	Seats (Total: 20) MMH 1400 TYD 1108	Discussion
0107	John Auchard TuTh 12:30pm - 1:20pm F 1:00pm - 1:50pm	Seats (Total: 20) MMH 1400 EDU 0114	Discussion
0108	John Auchard TuTh 12:30pm - 1:20pm F 2:00pm - 2:50pm	Seats (Total: 20) MMH 1400 TWS 0236	Discussion

ENGL243 **What is Poetry?**

ENGL243 What is Poetry?; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course. GenEd: Distributive Studies - Humanities.
An exploration of arguably the most complex, profound, and ubiquitous expression of human experience. Study through close reading of significant forms and conventions of Western poetic tradition. Poetry's roots in oral and folk traditions and connections to popular song forms.

0101	Elizabeth Arnold MW 12:00pm - 12:50pm F 11:00am - 11:50am	Seats (Total: 20) ARC 0204 EDU 1315	Discussion
0102	Elizabeth Arnold MW 12:00pm - 12:50pm F 10:00am - 10:50am	Seats (Total: 20) ARC 0204 EDU 1107	Discussion
0103	Elizabeth Arnold MW 12:00pm - 12:50pm F 12:00pm - 12:50pm	Seats (Total: 20) ARC 0204 EDU 2101	Discussion

0104	Elizabeth Arnold MW 12:00pm - 12:50pm F 12:00pm - 12:50pm	Seats (Total: 20) ARC 0204 EDU 1315	Discussion
0105	Elizabeth Arnold MW 12:00pm - 12:50pm F 12:00pm - 12:50pm	Seats (Total: 20) ARC 0204 EDU 0206	Discussion
0106	Elizabeth Arnold MW 12:00pm - 12:50pm F 1:00pm - 1:50pm	Seats (Total: 20) ARC 0204 KNI 1105	Discussion
0107	Elizabeth Arnold MW 12:00pm - 12:50pm F 1:00pm - 1:50pm	Seats (Total: 20) ARC 0204 EDU 2102	Discussion
0108	Elizabeth Arnold MW 12:00pm - 12:50pm F 1:00pm - 1:50pm	Seats (Total: 20) ARC 0204 TWS 1107	Discussion
0109	Elizabeth Arnold MW 12:00pm - 12:50pm F 2:00pm - 2:50pm	Seats (Total: 20) ARC 0204 TWS 0205	Discussion
0110	Elizabeth Arnold MW 12:00pm - 12:50pm F 9:00am - 9:50am	Seats (Total: 20) ARC 0204 TWS 1106	Discussion
0111	Elizabeth Arnold MW 12:00pm - 12:50pm F 11:00am - 11:50am	Seats (Total: 20) ARC 0204 TWS 1105	Discussion
0112	Elizabeth Arnold MW 12:00pm - 12:50pm F 12:00pm - 12:50pm	Seats (Total: 20) ARC 0204 TWS 1105	Discussion

ENGL244 The Play's the Thing

ENGL244 The Play's the Thing; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course. GenEd: Distributive Studies - Humanities.
Exploration of drama through a consideration of plot, narrative flow, analytical flow, staging, performance, manuscript and printing history, text and textual change over time, and interpretation. Plays will be approached as public attempts to understand what it means to be alive.

0101	Robert Wakeman TuTh 2:00pm - 3:15pm	Seats (Total: 30) SQH 1101	
0201	Heather McHale MWF 11:00am - 11:50am	Seats (Total: 30) SQH 1101	

ENGL245 **Film Form and Culture**

ENGL245 Film Form and Culture; (3 credits) Grade Method: REG/P-F/AUD. CORE History or Theory of Arts (HA) Course. GenEd: Distributive Studies - Humanities.
Restriction: Must not have completed FILM245. Also offered as: FILM245. Credit only granted for: CMLT214, CMLT245, ENGL245, or FILM245. Formerly: CMLT214.
Introduction to film as art form and how films create meaning. Basic film terminology; fundamental principles of film form, film narrative, and film history. Examination of film technique and style over past one hundred years. Social and economic functions of film within broader institutional, economic, and cultural contexts.

0101	Oliver Gaycken TuTh 12:30pm - 1:20pm Tu 3:30pm - 5:30pm F 10:00am - 10:50am	Seats (Total: 22) TWS 1100 TWS 1100 CSI 2118	 Lab Discussion
0102	Oliver Gaycken TuTh 12:30pm - 1:20pm Tu 3:30pm - 5:30pm F 11:00am - 11:50am	Seats (Total: 22) TWS 1100 TWS 1100 CSI 2120	 Lab Discussion
0103	Oliver Gaycken TuTh 12:30pm - 1:20pm Tu 3:30pm - 5:30pm F 12:00pm - 12:50pm	Seats (Total: 22) TWS 1100 TWS 1100 TWS 1107	 Lab Discussion

0104	Oliver Gaycken	Seats (Total: 22)	
	TuTh 12:30pm - 1:20pm	TWS 1100	
	Tu 3:30pm - 5:30pm	TWS 1100	Lab
	F 1:00pm - 1:50pm	TWS 0205	Discussion
0201	Caitlin McGrath	Seats (Total: 30)	
	MW 3:30pm - 4:45pm	SQH 1101	
	M 5:00pm - 7:00pm	TWS 1106	Lab
FC01	Joseph Byrne	Seats (Total: 20)	
	W 7:30pm - 8:45pm	TWS 0201	
	Class time/details on ELMs	ONLINE	
	Restricted to Students in Freshmen Connection.		
FC02	Joseph Byrne	Seats (Total: 20)	
	W 6:00pm - 7:15pm	TWS 0205	
	Class time/details on ELMs	ONLINE	
	Restricted to students in Freshmen Connection.		

ENGL250 **Reading Women Writing**

ENGL250 Reading Women Writing; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - Humanities; Diversity - Understanding Plural Societies.
Also offered as: WMST255. Credit only granted for: ENGL250 or WMST255. Explores literary and cultural expressions by women and their receptions within a range of historical periods and genres. Topics such as what does a woman need in order to write, what role does gender play in the production, consumption, and interpretation of texts, and to what extent do women comprise a distinct literary subculture. Interpretation of texts will be guided by feminist and gender theory, ways of reading that have emerged as important to literary studies over the last four decades.

0101	Jennifer Wellman	Seats (Total: 30)	
	MW 12:00pm - 1:15pm	ASY 3203	
0201	Christin Taylor	Seats (Total: 30)	
	TuTh 12:30pm - 1:45pm	SQH 1105	

ENGL262 **The Hebrew Bible: Narrative**

ENGL262 The Hebrew Bible: Narrative; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course.
Also offered as: JWST262. Credit only granted for: ENGL262 or JWST262. Formerly: HEBR223. Selected readings from narrative sections of the Hebrew Bible stressing the new literary approaches to the biblical text. In English; no knowledge of Hebrew required.

0101	Jacqueline Vayntrub TuTh 11:00am - 12:15pm	Seats (Total: 40) MMH 3418

ENGL265 **Lesbian, Gay, Bisexual and Transgender Literatures**

ENGL265 Lesbian, Gay, Bisexual and Transgender Literatures; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - Humanities; Diversity - Understanding Plural Societies. *Restriction: Must not have completed LGBT265. Also offered as: LGBT265. Credit only granted for: ENGL265 or LGBT265.* Exploration of literary and cultural expressions of sexuality and gender. Study of a range of historical periods and literary genres, such as essay, poetry, novel, drama, film. Topics include sexual norms and dissidence, gender identity and expression, the relationship between aesthetic forms and sexual subjectivity. Interpretation of texts particularly through the lens of queer theory. Examination of how sex and gender intersect with other forms of difference, including race and class.

0101	James Goodwin MW 11:00am - 12:15pm	Seats (Total: 30) SQH 1105
0201	Elizabeth McClure TuTh 12:30pm - 1:45pm	Seats (Total: 30) SQH 2117

ENGL271 **Writing Poems and Stories: An Introductory Workshop**

ENGL271 Writing Poems and Stories: An Introductory Workshop; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Scholarship in Practice. Introduction to theory and practice of writing fiction and poetry. Emphasis on critical reading of literary models. Exercises and workshop discussions with continual reference to modeling, drafting, and revising as necessary stages in a creative process.

0101	Michael Gossett TuTh 12:30pm - 1:45pm	Seats (Total: 20) TLF 1103
0301	Carolyn Decarlo MW 11:00am - 12:15pm	Seats (Total: 20) CHM 0124
FC01	Emily Lyons TuTh 5:00pm - 6:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 15) SQH 1111

ENGL272 **Writing Fiction: A Beginning Workshop**

ENGL272 Writing Fiction: A Beginning Workshop; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Scholarship in Practice.
Introduction to theory and practice of writing fiction. Emphasis on critical reading of literary models. Exercises and workshop discussions with continual reference to modeling, drafting, and revising as necessary stages in a creative process.

0101	Dawn Dorland Perry MW 11:00am - 12:15pm	Seats (Total: 20) KEY 0117
0201	Annette Majanja MW 2:00pm - 3:15pm	Seats (Total: 20) WDS 1131
0301	Taylor Adams TuTh 11:00am - 12:15pm	Seats (Total: 20) KEY 0121
0401	Daniel Knowlton TuTh 12:30pm - 1:45pm	Seats (Total: 20) WDS 1131

ENGL273 **Writing Poetry: A Beginning Workshop**

ENGL273 Writing Poetry: A Beginning Workshop; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Scholarship in Practice.
Introduction to theory and practice of writing poetry. Emphasis on critical reading of literary models. Exercises and workshop discussions with continual reference to modeling, drafting, and revising as necessary stages in a creative process.

0101	Joshua Lavender MW 11:00am - 12:15pm	Seats (Total: 20) TWS 3134

0201	Eric Kozlik	Seats (Total: 20)
	TuTh 2:00pm - 3:15pm	KEY 0120

ENGL278C **Special Topics in Literature; Introduction Creative Writing: African American Perspective**

ENGL278C Special Topics in Literature: Introduction Creative Writing: African American Perspective; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as AASP298W. Credit will be granted for one of the following: AASP28W or ENGL278C.

0101	Valerie Turner	Seats (Total: 20)
	TuTh 9:30am - 10:45am	NCC 0120

ENGL278T **Literature of Science and Technology**

ENGL278T Literature of Science and Technology; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course. GenEd: Distributive Studies - Humanities.
Restricted to College Park Scholars: Science, Technology, and Society; Science, Discovery, and the Universe; Science and Global Change.

0101	Kisa Lape	Seats (Total: 30)
	TuTh 12:30pm - 1:45pm	KEY 0125

ENGL280 **The English Language**

ENGL280 The English Language; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course. GenEd: Distributive Studies - Humanities.
Introduction to the structure of English and its historical development, with a focus on techniques of linguistic analysis. Major topics include the sound systems of English and its patterns of word formation and sentence structure, and the ways these have changed over time and vary around the world.

0101	Linda Coleman	Seats (Total: 30)
	MW 11:00am - 12:15pm	SQH 1117

ENGL281 **Standard English Grammar, Usage, and Diction**

ENGL281 Standard English Grammar, Usage, and Diction; (3 credits) Grade Method: REG/P-F/AUD.
The basic structure of written English, including parts of speech, sentence patterns, standard punctuation, diction, and usage.

0101	Nabila Hijazi TuTh 9:30am - 10:45am	Seats (Total: 30) TWS 1105	

ENGL282 **Introduction to Rhetorical Theory**

ENGL282 Introduction to Rhetorical Theory; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course. GenEd: Distributive Studies - Humanities.
Basic elements of rhetorical theory. Classical and contemporary perspectives on the nature, functions, and scope of rhetoric. Potential texts for analysis include non-fiction prose, novels, short fiction, philosophical treatises, autobiographies, biographies, and speeches.

0101	Lindsay Jacoby MW 1:00pm - 1:50pm F 1:00pm - 1:50pm	Seats (Total: 30) SQH 1103 TWS 0223	

ENGL289I **Acting Human: Shakespeare and the Drama of Identity**

ENGL289I Acting Human: Shakespeare and the Drama of Identity; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course. GenEd: Distributive Studies - Humanities; Signature Courses - I-Series.
Credit will be granted for one of the following: ENGL205, ENGL206, or ENGL289I.

0101	Gerard Passannante MW 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 22) EGR 1202 PLS 1164	Discussion
0103	Gerard Passannante MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 22) EGR 1202 EDU 3315	Discussion
0105	Gerard Passannante MW 11:00am - 11:50am F 12:00pm - 12:50pm	Seats (Total: 22) EGR 1202 TWS 1106	Discussion

0106	Gerard Passannante MW 11:00am - 11:50am F 1:00pm - 1:50pm	Seats (Total: 22) EGR 1202 TWS 0236	Discussion

ENGL289X **Breaking News: Contemporary Literature, Media and the State**

ENGL289X Breaking News: Contemporary Literature, Media and the State; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course. GenEd: Distributive Studies - Humanities; Signature Courses - I-Series.

0101	Linda Kauffman MW 2:00pm - 2:50pm F 10:00am - 10:50am	Seats (Total: 22) TWS 1100 EDU 1121	Discussion
0102	Linda Kauffman MW 2:00pm - 2:50pm F 11:00am - 11:50am	Seats (Total: 22) TWS 1100 EDU 1121	Discussion
0103	Linda Kauffman MW 2:00pm - 2:50pm F 12:00pm - 12:50pm	Seats (Total: 22) TWS 1100 EDU 1121	Discussion
0104	Linda Kauffman MW 2:00pm - 2:50pm F 1:00pm - 1:50pm	Seats (Total: 22) TWS 1100 EDU 1121	Discussion

ENGL291 **Intermediate Writing**

ENGL291 Intermediate Writing; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Humanities or Distributive Studies - Scholarship in Practice. Writing essays, the revision process, and editing techniques.

0101	Oliver Brearey MWF 10:00am - 10:50am	Seats (Total: 22) TWS 3248	

ENGL293 **Writing in the Wireless World**

ENGL293 Writing in the Wireless World; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course. GenEd: Distributive Studies - Scholarship in Practice. *Recommended: ENGL101. Credit only granted for: ENGL278Z or ENGL293. Formerly: ENGL278Z.* A hands-on exploration of writing at the intersection of technology and rhetoric. Students will learn to read, anlayze, and compose the kind of multimodal documents (combining text, image, and sound) that constitute communication in our digital world.

0101	Adam Lloyd TuTh 2:00pm - 3:15pm	Seats (Total: 22) TWS 0232

ENGL295 **Literature in a Wired World**

ENGL295 Literature in a Wired World; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course. GenEd: Distributive Studies - Humanities. *Credit only granted for: ENGL278W or ENGL295. Formerly: ENGL278W.* Introduction to changing nature of books, texts, and narrative in Information Age. Role of book in relation to other media, history of computers and writing, influence of computing on contemporary literature and culture, emerging forms of digital narrative and reading. Practical skills taught range from how to find digital literature and other texts online to using Web media to create literary works.

0101	David Brookshire MWF 12:00pm - 12:50pm	Seats (Total: 30) SQH 1103
FC01	Jennifer Wellman M 6:00pm - 7:15pm Class time/details on ELMs *Restricted to students in Freshman Connection.*	Seats (Total: 20) TWS 0224 ONLINE

ENGL301 **Critical Methods in the Study of Literature**

ENGL301 Critical Methods in the Study of Literature; (3 credits) Grade Method: REG/P-F/AUD.
Restriction: Must be in English Language and Literature program; or must be in Secondary Educ: English Language Arts program; or Must be in the English minor. An introduction to the techniques of literary analysis and a brief survey of the most common approaches to literature.

0101	Laura Rosenthal MW 11:00am - 12:15pm	Seats (Total: 22) TWS 3132	
0201	Michelle Koerner MW 12:30pm - 1:45pm	Seats (Total: 22) TWS 1106	
0301	Theresa Coletti MW 2:00pm - 3:15pm	Seats (Total: 22) TWS 3132	
0401	Jane Donawerth MW 3:30pm - 4:45pm	Seats (Total: 22) TWS 0205	
0501	Keguro Macharia TuTh 11:00am - 12:15pm	Seats (Total: 22) TWS 0205	
0601	Christina Walter TuTh 12:30pm - 1:45pm	Seats (Total: 22) TWS 3132	

ENGL304 **The Major Works of Shakespeare**

ENGL304 The Major Works of Shakespeare; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Two lower-level English courses, at least one in literature; or permission of ARHU-English department. Restriction: Must not have completed ENGL403 or ENGL404. Representative early, middle, and later works, including comedies, tragedies, histories, and romances. Historical and cultural contexts.

0101	Theodore Leinwand TuTh 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 22) TWS 1100 TWS 0205	 Discussion
0102	Theodore Leinwand TuTh 11:00am - 11:50am F 12:00pm - 12:50pm	Seats (Total: 22) TWS 1100 TWS 0205	 Discussion
0103	Theodore Leinwand TuTh 11:00am - 11:50am F 1:00pm - 1:50pm	Seats (Total: 22) TWS 1100 EDU 1315	 Discussion

0104	Theodore Leinwand TuTh 11:00am - 11:50am F 2:00pm - 2:50pm	Seats (Total: 22) TWS 1100 TWS 0201	 Discussion

ENGL305 **Shakespeare and His Contemporaries: An Introduction**

ENGL305 Shakespeare and His Contemporaries: An Introduction; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Two lower-level English courses, at least one in literature; or permission of ARHU-English department. Readings in Shakespeare and contemporaries such as Marlowe, Dekker, Middleton, Jonson, Webster, Chapman, Marston. Elizabethan and Jacobean theatrical and social contexts.

0101	Scott Trudell TuTh 12:30pm - 1:45pm	Seats (Total: 30) TWS 1106

ENGL310 **Medieval and Renaissance British Literature**

ENGL310 Medieval and Renaissance British Literature; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Two lower-level English courses, at least one in literature; or permission of ARHU-English department. Detailed study of selected major medieval and Renaissance works written in England. Cultural attitudes and historical contexts. May include Beowulf, Anglo-Saxon lyric, drama, sonnets; works of women writers, Chaucer, Spenser, Sidney. Some readings in Middle English.

0201	Thomas Moser TuTh 9:30am - 10:45am	Seats (Total: 30) TWS 1106

ENGL311 **British Literature from 1600 to 1800**

ENGL311 British Literature from 1600 to 1800; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Two lower-level English courses, at least one in literature; or permission of ARHU-English department. The culture of seventeenth and eighteenth-century Britain seen through detailed study of selected major texts. Drama, poetry, political writings, and early novels by men and women. Authors may include Donne, Milton, Jonson, Behn, Swift, Pope, Montagu, and Wollstonecraft.

0101	Michael Olmert MW 11:00am - 12:15pm	Seats (Total: 30) TWS 1105

ENGL313 **American Literature**

ENGL313 American Literature; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Two lower-level English courses, at least one in literature; or permission of ARHU-English department. A detailed study of selected major texts of American literature from the 17th century to the 20th century. Issues such as race, gender, and regionalism. Authors such as Franklin, Hawthorne, Dickinson, Hemingway, and Morrison.

0101	Sharada Balachandran Orihuela TuTh 9:30am - 10:45am	Seats (Total: 30) TWS 0201

ENGL317 **African American Literature**

ENGL317 African American Literature; (3 credits) Grade Method: REG/P-F/AUD.
CORE Diversity (D) Course.
Prerequisite: Must have completed two lower-level English courses, at least one in literature; or permission of ARHU-English department. Consideration of key texts in African American literature that explore the experiences of people of African descent in America from the mid-nineteenth century to the contemporary moment. Relationship between literary texts, historical events and cultural formations. Examines a range of texts and genres (autobiography, slave narrative, travel narrative, poetry, essays, fiction), and their contribution to national literary tradition.

0101	Mary Washington TuTh 12:30pm - 1:45pm	Seats (Total: 30) TWS 0236

ENGL329C **Special Topics in Film Studies; Sexuality in the Cinema**

ENGL329C Special Topics in Film Studies: Sexuality in the Cinema; (3 credits)
Grade Method: REG/P-F/AUD.
Prerequisite: Two lower-level English courses, at least one in literature; or permission of department. Also offered as CMLT398L. Credit will be granted for only one of the following: CMLT398L, CMLT498L, or ENGL329C.

0101	Eugene Robinson	Seats (Total: 30)	
	MW 2:00pm - 3:15pm	TWS 0201	
	M 3:30pm - 5:30pm	TWS 1100	Lab

ENGL329G **Special Topics in Film Studies; Cinema History I: The Silent Era**

ENGL329G Special Topics in Film Studies: Cinema History I: The Silent Era; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as FILM301. Prerequisite: two lower-level English courses, at least one in literature; or permission of department.

0101	Oliver Gaycken	Seats (Total: 30)	
	TuTh 2:00pm - 3:15pm	TWS 1106	
	Th 3:30pm - 5:30pm	TWS 0234	Lab

ENGL346 **Twentieth Century Fiction**

ENGL346 Twentieth Century Fiction; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: Two lower-level English courses, at least one in literature; or permission of ARHU-English department.* Major British, American, and other fiction writers of the twentieth century studied in the context of the broad global, intellectual, and artistic interests of the century.

0101	Lee Konstantinou	Seats (Total: 30)	
	TuTh 3:30pm - 4:45pm	TWS 0205	

ENGL348A **Literary Works by Women; Gender, Race, and Class in British and American Narratives (1680-1930)**

ENGL348A Literary Works by Women: Gender, Race, and Class in British and American Narratives (1680-1930); (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Also offered as WMST348A. Prerequisite: two lower-level English courses, at least one in literature; or permission of department. Credit will be granted for only one of the following: ENGL348A or WMST348A.

0101	Carla Peterson	Seats (Total: 30)	
	TuTh 3:30pm - 4:45pm	TWS 1106	

ENGL348F **Literary Works by Women; Women on the Frontier**

ENGL348F Literary Works by Women: Women on the Frontier; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Also offered as WMST348F. Prerequisite: two lower-level English courses, at least one in literature; or premission of department.

0101	Leigh Ryan	Seats (Total: 30)
	TuTh 9:30am - 10:45am	TWS 1107

ENGL349B **Asian American Literatures; Contemporary Asian American Literature of the 21st Century**

ENGL349B Asian American Literatures: Contemporary Asian American Literature of the 21st Century; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Also offered as AAST398B. An investigation of cutting edge Asian American literature, focusing on post-millennial works of fiction. With the shifting social and political landscapes of Asian America and America more generally in mind, we will examine how established Asian American writers have shifted their literary interestsor, as crucially, maintained them. We will also examine the new, emerging generation of authors. A guiding question: what issues, forms, and venues are the Asian American writers of today exploring?

0101	Lawrence-Minh Davis	Seats (Total: 35)
	TuTh 2:00pm - 3:15pm	ANS 0412

ENGL352 **Intermediate Fiction Workshop**

ENGL352 *(PermReq)* **Intermediate Fiction Workshop; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: Minimum grade of A- in ENGL271; or minimum grade of A- in ENGL272; or permission of ARHU-English department. Credit only granted for: ENGL396 or ENGL352. Formerly: ENGL396. A class in the making of fiction. Intensive discussion of students' own fiction. Readings include both fiction and essays about fiction by practicing writers. Writing short critical papers, responding to works of fiction, and to colleagues' fiction, in-class writing exercises, intensive reading, and thinking about literature, in equal parts, and attendance at readings.

0101	Kshiti Vaghela	Seats (Total: 15)
	MW 11:00am - 12:15pm	TWS 3248

0201	Sean Enright TuTh 4:00pm - 5:15pm	Seats (Total: 15) TWS 3248
0301	Thomas Earles TuTh 2:00pm - 3:15pm	Seats (Total: 15) TWS 3248

ENGL353 **Intermediate Poetry Workshop**

ENGL353 *(PermReq)* **Intermediate Poetry Workshop; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: Minimum grade of A- in ENGL271; or minimum grade of A- in ENGL273; or permission of ARHU-English department. Credit only granted for: ENGL397 or ENGL353. Formerly: ENGL397. A class in the making of poetry. Intensive discussion of students' own poems. Readings in both poetry and essays about poetry by practicing poets. Writing short critical prose pieces, responding critically to colleagues' poems, in-class and outside writing exercises, memorization, and attendance at poetry readings.

0101	Lindsay Bernal MW 12:30pm - 1:45pm	Seats (Total: 15) TWS 3248

ENGL362 **Caribbean Literature in English**

ENGL362 Caribbean Literature in English; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Prerequisite: Two lower-level English courses, at least one in literature; or permission of ARHU-English department. Political and literary traditions that intersect in the fiction, poetry, and drama written in English by Caribbean writers, primarily during the 20th century.

0101	Merle Collins MW 3:30pm - 4:45pm	Seats (Total: 30) TWS 1105

ENGL368B **Special Topics in the Literature of Africa and the African Diaspora; Blues and African American Folksong**

ENGL368B Special Topics in the Literature of Africa and the African Diaspora: Blues and African American Folksong; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Prerequisite: Two lower-level courses, at least one in literature; or permission of department. Repeatable to 9 credits if content differs.

0101	Barry Pearson	Seats (Total: 30)
	TuTh 11:00am - 12:15pm	TWS 1107

ENGL368F **Special Topics in the Literature of Africa and the African Diaspora; Literature of the Early Black Atlantic**

ENGL368F Special Topics in the Literature of Africa and the African Diaspora: Literature of the Early Black Atlantic; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Also offered as HIST329M. Prerequisite: two lower-level English courses, at least one in literature; or permission of department. Credit will be granted for only one of the following: ENGL368F or HIST329M.

0101	Vincent Carretta	Seats (Total: 30)
	MW 2:00pm - 3:15pm	TWS 1106

ENGL369H **Special Topics in Study Abroad III; London Stage**
Contact department for information to register for this course.

ENGL369L **Special Topics in Study Abroad III; Angloamerican Travelers in Spain**
Contact department for information to register for this course.

ENGL369Z **Special Topics in Study Abroad III; The London Stage**
Contact department for information to register for this course.

ENGL373 **Senior Honors Project**

ENGL373 *(PermReq)* **Senior Honors Project; (2 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ENGL370. Restriction: Must be in English Language and Literature program. Research and writing of senior honors project. Strongly recommended for students planning graduate work.

0101	Randy Ontiveros Tu 3:30pm - 5:30pm	Seats (Total: 20) TWS 3132

ENGL379D **Special Topics in Literature; Ulysses**

ENGL379D Special Topics in Literature: Ulysses; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: two lower-level English courses, at least one in literature; or permission of department.

0101	Brian Richardson MW 12:30pm - 1:45pm	Seats (Total: 30) TWS 0201

ENGL379J **Special Topics in Literature; Representing the Holocaust**

ENGL379J Special Topics in Literature: Representing the Holocaust; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as JWST419J. Prerequisite: two lower-level English courses, at least one in literature; or permission of department. Credit will be granted for only one of the following: ENGL379J or JWST419J.

0101	Sheila Jelen TuTh 2:00pm - 3:15pm	Seats (Total: 30) TWS 1107

ENGL379V **Special Topics in Literature; Gypsy Culture**

ENGL379V Special Topics in Literature: Gypsy Culture; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Two lower-level English courses, at least one in literature or permission of department. Also offered as CMLT398N. Credit will be granted for only one of the following: CMLT398N, CMLT498N, or ENGL379V.

0101	Eugene Robinson MW 11:00am - 12:15pm	Seats (Total: 30) TWS 0236

ENGL381 **MGA Legislative Seminar**

ENGL381 *(PermReq)* **MGA Legislative Seminar; (3 credits)** Grade Method: REG/P-F/AUD. GenEd: Fundamental Studies - Professional Writing.
Prerequisite: Permission of ARHU-English department. Classroom analysis component of the Maryland General Assembly internship program. Also offered as HONR368A. Credit will be granted for only one of the following: ENGL381 or HONR368A.

0101	Thomas Lowderbaugh	Seats (Total: 30)
	Tu 3:30pm - 6:00pm	TWS 0232

ENGL383 **The Uses of Language**

ENGL383 The Uses of Language; (3 credits) Grade Method: REG/P-F/AUD. Exploration of the social and political aspects of language use, including conversational behavior, persuasive uses of language, social dialects, and language and gender; analytical methods of pragmatics and discourse analysis.

0101	Linda Coleman	Seats (Total: 30)
	MW 2:00pm - 3:15pm	TWS 0234

ENGL384 **Concepts of Grammar**

ENGL384 Concepts of Grammar; (3 credits) Grade Method: REG/P-F/AUD. Introduction to the basic units of grammatical description; motivation for and nature of constituent structure and syntactic categories; fundamental grammatical concepts employed in the teaching and learning of languages.

0101	Michael Israel	Seats (Total: 30)
	TuTh 2:00pm - 3:15pm	KEY 0103

ENGL388A **Writing Internship; Second Life Workshop in African American Literature**
Contact department for information to register for this course.

ENGL388D **Writing Internship; Dickinson Electronic Archives**

ENGL388D *(PermReq)* **Writing Internship: Dickinson Electronic Archives; (1-6 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: permission of department. Repeatable to 9 credits.

0101	Martha Nell Smith	Seats (Total: 5)
	Contact instructor or department for details.	

ENGL388P **Writing Internship; Pre-professional Writing Skills Internship**

ENGL388P *(PermReq)* **Writing Internship: Pre-professional Writing Skills Internship; (1-6 credits)** Grade Method: REG. GenEd: Distributive Studies - Scholarship in Practice.
Prerequisite: permission of department. Repeatable to 9 credits.

0101	Jennifer Dunsmore	Seats (Total: 20)
	Contact instructor or department for details.	

ENGL388R **Writing Internship; Romantic Circles**

ENGL388R *(PermReq)* **Writing Internship: Romantic Circles; (3 credits)** Grade Method: REG.
Prerequisite: permission of department. Repeatable to 9 credits.

0101	Neil Fraistat	Seats (Total: 25)
	Contact instructor or department for details.	

ENGL388T **Writing Internship; Maryland Institute for Technology in the Humanities Internships**

ENGL388T *(PermReq)* **Writing Internship: Maryland Institute for Technology in the Humanities Internships; (1-6 credits)** Grade Method: REG.
Prerequisite: permission of department. Repeatable to 9 credits.

0101	Neil Fraistat	Seats (Total: 20)
	Contact instructor or department for details.	

ENGL388V **Writing Internship; Undergraduate Teaching Assistants in Writing Programs**

ENGL388V *(PermReq)* **Writing Internship: Undergraduate Teaching Assistants in Writing Programs; (1-6 credits)** Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Scholarship in Practice.

0101	Linda Macri	Seats (Total: 16)
	Th 3:30pm - 4:45pm	TWS 3136

0201	Linda Macri Contact instructor or department for details.	Seats (Total: 10)

ENGL388W **Writing Internship; Writing Center Internship**

ENGL388W *(PermReq)* **Writing Internship: Writing Center Internship; (1-6 credits)** Grade Method: REG. GenEd: Distributive Studies - Scholarship in Practice. Prerequisite: permission of department. Repeatable to 9 credits.

0101	Leigh Ryan, Heather Lindenman Tu 3:30pm - 6:00pm	Seats (Total: 20) TWS 1105

ENGL390 **Science Writing**

ENGL390 Science Writing; (3 credits) Grade Method: REG. GenEd: Fundamental Studies - Professional Writing.
Prerequisite: ENGL101; or students who have taken courses with similar or comparable course content may contact the department. Restriction: Must have earned a minimum of 60 credits; and Junior standing or higher. Credit only granted for: ENGL390 or ENGL393S. Formerly: ENGL393S. Specifically designed for students interested in further study in the physical and biological sciences. Exposes students to the conventions of scientific prose in the genres of research articles and proposals. Students learn to accommodate scientific information to general audiences. Click here for more course information.

0101	Mary Shea MW 9:00am - 9:50am F 9:00am - 9:50am	Seats (Total: 22) TWS 0223 JMZ 1224
0201	Mary Shea MW 10:00am - 10:50am F 10:00am - 10:50am	Seats (Total: 22) TWS 0223 HJP 1104
0301	Mary Shea MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 22) TWS 0223 ASY 3217
1101	John Matthews TuTh 9:30am - 10:45am	Seats (Total: 22) TWS 0207

1301	John Matthews TuTh 12:30pm - 1:45pm	Seats (Total: 22) TWS 0207
1401	Paul Haynos Tu 2:00pm - 3:15pm Th 2:00pm - 3:15pm	Seats (Total: 22) TWS 0230 PLS 1158
1501	Paul Haynos Tu 3:30pm - 4:45pm Th 3:30pm - 4:45pm	Seats (Total: 22) TWS 0230 ASY 3215
1505	Paul Haynos Tu 5:00pm - 6:15pm Th 5:00pm - 6:15pm	Seats (Total: 22) TWS 0230 ASY 3217

ENGL391 **Advanced Composition**

ENGL391 Advanced Composition; (3 credits) Grade Method: REG. GenEd: Fundamental Studies - Professional Writing.
Prerequisite: ENGL101; or students who have taken courses with similar or comparable course content may contact the department. Restriction: Must have earned a minimum of 60 credits. An advanced composition course which emphasizes constructing written arguments accommodated to real audiences. Click here for more course information.

0202	Danuta Hinc MW 10:00am - 10:50am F 10:00am - 10:50am	Seats (Total: 22) TWS 0230 EDU 1315
0301	Ann Bracken MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 22) TWS 0207 TWS 0232
0402	Robert Crane MWF 12:00pm - 12:50pm	Seats (Total: 22) TWS 0207
0501	Ann Bracken MW 1:00pm - 1:50pm F 1:00pm - 1:50pm	Seats (Total: 22) TWS 0207 TWS 0232

1101	Melanie Faith Tu 9:30am - 10:45am Th 9:30am - 10:45am	Seats (Total: 22) EDU 2101 TWS 0224
1201	Melanie Faith Tu 11:00am - 12:15pm Th 11:00am - 12:15pm	Seats (Total: 22) KEY 0123 TWS 0224
1301	Melanie Faith Tu 12:30pm - 1:45pm Th 12:30pm - 1:45pm	Seats (Total: 22) ASY 3219 TWS 0224
1701	Mark Fitzgerald Tu 6:30pm - 9:10pm	Seats (Total: 22) TWS 0223
1901	Mark Fitzgerald Th 6:30pm - 9:10pm	Seats (Total: 22) TWS 0223

ENGL391H **Advanced Composition**

ENGL391H Advanced Composition; (3 credits) Grade Method: REG. GenEd: Fundamental Studies - Professional Writing.
Prerequisite: ENGL101; or students who have taken courses with similar or comparable course content may contact the department. Restriction: Must have earned a minimum of 60 credits. An advanced composition course which emphasizes constructing written arguments accommodated to real audiences. For students in the University or departmental Honors program. Click here for more course information.

0201	Mark Forrester MWF 10:00am - 10:50am	Seats (Total: 22) TWS 0207

ENGL392 **Legal Writing**

ENGL392 Legal Writing; (3 credits) Grade Method: REG. GenEd: Fundamental Studies - Professional Writing.
Prerequisite: ENGL101; or students who have taken courses with similar or comparable course content may contact the department. Restriction: Must have earned a minimum of 60 credits. Conventions of legal writing and research. Students learn how to read and write about cases, statutes or other legislation; how to apply legal principles to fact scenarios; and how to present a written analysis for readers in the legal profession. Assignments may include the law-school application essay, case briefs, legal memos, and client letters. Click here for more course information.

0101	Robin Earnest MW 9:00am - 9:50am F 9:00am - 9:50am	Seats (Total: 22) TWS 0224 ASY 3219
0201	Robin Earnest MW 10:00am - 10:50am F 10:00am - 10:50am	Seats (Total: 22) TWS 0224 TLF 1101
0301	Barbara Lauren MF 11:00am - 11:50am W 11:00am - 11:50am	Seats (Total: 22) TWS 0224 HBK 0103
1101	William Schatz Tu 9:30am - 10:45am Th 9:30am - 10:45am	Seats (Total: 22) TWS 0230 JMZ 0125
1201	William Schatz Tu 11:00am - 12:15pm Th 11:00am - 12:15pm	Seats (Total: 22) TWS 0230 SQH 1111
1301	William Schatz Tu 12:30pm - 1:45pm Th 12:30pm - 1:45pm	Seats (Total: 22) TWS 0230 JMZ 2120
1601	Michael Winett M 6:30pm - 9:10pm	Seats (Total: 22) TWS 0232
1801	Michael Winett W 6:30pm - 9:10pm	Seats (Total: 22) TWS 0232

ENGL393 **Technical Writing**

ENGL393 Technical Writing; (3 credits) Grade Method: REG. GenEd: Fundamental Studies - Professional Writing.
Prerequisite: ENGL101; or students who have taken courses with similar or comparable course content may contact the department. Restriction: Must have earned a minimum of 60 credits. The writing of technical papers and reports. Click here for more course information.

0101	Robert Schubert MW 9:00am - 9:50am F 9:00am - 9:50am	Seats (Total: 22) ASY 3217 TWS 0223
0201	Robert Schubert MW 10:00am - 10:50am F 10:00am - 10:50am	Seats (Total: 22) ASY 3217 TWS 0223
0301	Danuta Hinc MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 22) TWS 0230 TYD 0101
0302	Joan Mooney MWF 11:00am - 11:50am	Seats (Total: 22) TWS 0214
0401	Danuta Hinc MW 12:00pm - 12:50pm F 12:00pm - 12:50pm	Seats (Total: 22) TWS 0230 SYM 0209
0402	Joan Mooney MWF 12:00pm - 12:50pm	Seats (Total: 22) TWS 0214
0502	Sheila Lalwani MWF 1:00pm - 1:50pm	Seats (Total: 22) TWS 1105
0601	Zahara Heckscher M 2:00pm - 3:15pm W 2:00pm - 3:15pm	Seats (Total: 22) TWS 0224 SQH 2119
0701	Zahara Heckscher M 3:30pm - 4:45pm W 3:30pm - 4:45pm	Seats (Total: 22) TWS 0224 ASY 3217

0801	Candace Orsetti MW 5:00pm - 6:15pm	Seats (Total: 22) TWS 0207
1001	Connie Inukai Tu 8:00am - 9:15am Th 8:00am - 9:15am	Seats (Total: 22) TWS 1105 TWS 0232
1101	Connie Inukai Tu 9:30am - 10:45am Th 9:30am - 10:45am	Seats (Total: 22) SQH 2122 TWS 0232
1201	Kelly Cresap TuTh 11:00am - 12:15pm	Seats (Total: 22) TWS 0207
1301	Daniel Saalfeld Tu 12:30pm - 1:45pm Th 12:30pm - 1:45pm	Seats (Total: 22) JMZ 0125 TWS 0232
1302	Kelly Cresap TuTh 12:30pm - 1:45pm	Seats (Total: 22) TWS 0214
1505	Daniel Saalfeld Tu 5:00pm - 6:15pm Th 5:00pm - 6:15pm	Seats (Total: 22) TWS 0236 TWS 0224
1601	Amanda Olson M 6:30pm - 9:10pm	Seats (Total: 22) TWS 0230
1602	Rebecca Ritzel M 6:30pm - 9:10pm	Seats (Total: 22) TWS 0207
1603	Sheila Lalwani M 6:30pm - 9:10pm	Seats (Total: 22) ASY 3203
1701	Amanda Olson Tu 6:30pm - 9:10pm	Seats (Total: 22) TWS 0224
1702	Ellen Blumner Tu 6:30pm - 9:10pm	Seats (Total: 22) TWS 0232

1801	Rebecca Ritzel W 6:30pm - 9:10pm	Seats (Total: 22) TWS 0214
1901	Alexandra Calloway Th 6:30pm - 9:10pm	Seats (Total: 22) TWS 0224
1902	Ellen Blumner Th 6:30pm - 9:10pm	Seats (Total: 22) TWS 0232
BL21	Phillip Moses M 2:00pm - 3:15pm W 2:00pm - 3:15pm	Seats (Total: 22) ONLINE TWS 0221
BL22	Sarah Dammeyer M 2:00pm - 3:15pm W 2:00pm - 3:15pm	Seats (Total: 22) TWS 0221 ONLINE
BL23	Phillip Moses M 3:30pm - 4:45pm W 3:30pm - 4:45pm	Seats (Total: 22) ONLINE TWS 0234
BL24	Pamela Orel M 3:30pm - 4:45pm W 3:30pm - 4:45pm	Seats (Total: 22) TWS 0234 ONLINE
BL31	Phillip Moses M 5:00pm - 6:15pm W 5:00pm - 6:15pm	Seats (Total: 22) ONLINE TWS 0236
BL32	Sarah Dammeyer M 5:00pm - 6:15pm W 5:00pm - 6:15pm	Seats (Total: 22) TWS 0236 ONLINE
BL41	Phillip Moses M 8:00pm - 9:15pm W 8:00pm - 9:15pm	Seats (Total: 22) ONLINE TWS 0234
BL75	Michelle Von Euw Tu 3:30pm - 4:45pm Th 3:30pm - 4:45pm	Seats (Total: 22) ONLINE TWS 0230

BL81	Michelle Von Euw Tu 5:00pm - 6:15pm Th 5:00pm - 6:15pm	Seats (Total: 22) ONLINE TWS 0230

ENGL393H **Technical Writing**

ENGL393H Technical Writing; (3 credits) Grade Method: REG. GenEd: Fundamental Studies - Professional Writing.
Prerequisite: ENGL101; or students who have taken courses with similar or comparable course content may contact the department. Restriction: Must have earned a minimum of 60 credits. The writing of technical papers and reports. Restricted to students in the University or departmental Honors program. Click here for more course information.

0701	Katherine Izsak M 3:30pm - 4:45pm W 3:30pm - 4:45pm	Seats (Total: 22) ASY 3217 TWS 0224

ENGL393X **Technical Writing**

ENGL393X *(PermReq)* **Technical Writing; (3 credits)** Grade Method: REG. GenEd: Fundamental Studies - Professional Writing.
Prerequisite: ENGL101; or students who have taken courses with similar or comparable course content may contact the department. Restriction: Must have earned a minimum of 60 credits. The writing of technical papers and reports. Limited to students for whom English is a second language and who have a score below any of the following: SAT Verbal 400, TOEFL 575, CELT 250. Students who have received an "A" in ENGL 101 or its equivalent cannot register for ENGL 393X. Click here for more course information.

1501	Daniel Saalfeld Tu 3:30pm - 4:45pm Th 3:30pm - 4:45pm	Seats (Total: 15) SQH 2121 TWS 0224

ENGL394 **Business Writing**

ENGL394 Business Writing; (3 credits) Grade Method: REG. GenEd: Fundamental Studies - Professional Writing.
Prerequisite: ENGL101; or students who have taken courses with similar or comparable course content may contact the department. Restriction: Must have earned a minimum of 60 credits. Intensive practice in the forms of written communication common in the business world-letters, memos, short reports, and proposals. Principles of rhetoric and effective style. Click here for more course information.

0101	Mary Turner MWF 9:00am - 9:50am	Seats (Total: 22) TWS 0207
0201	Mary Turner MWF 10:00am - 10:50am	Seats (Total: 22) TWS 0214
0301	Karen Angeline MWF 11:00am - 11:50am	Seats (Total: 22) TWS 0221
0302	Ceil Goldberg MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 22) TWS 0232 TWS 0207
0401	Ceil Goldberg MW 12:00pm - 12:50pm F 12:00pm - 12:50pm	Seats (Total: 22) TWS 0232 ASY 3217
0402	Karen Angeline MWF 12:00pm - 12:50pm	Seats (Total: 22) TWS 0221
0501	Mary Turner MWF 1:00pm - 1:50pm	Seats (Total: 22) TWS 0221
0601	Ceil Goldberg M 2:00pm - 3:15pm W 2:00pm - 3:15pm	Seats (Total: 22) TWS 0232 ASY 3217
0602	Donald McNeilly MW 2:00pm - 3:15pm	Seats (Total: 22) JMZ 0122
0701	Donald McNeilly MW 3:30pm - 4:45pm	Seats (Total: 22) TWS 0207

0702	James Mattson MW 3:30pm - 4:45pm	Seats (Total: 22) TYD 1132
0802	James Mattson MW 5:00pm - 6:15pm	Seats (Total: 22) TWS 0214
1101	Clare Parsons TuTh 9:30am - 10:45am	Seats (Total: 22) TWS 0214
1102	Rosalia Saklas TuTh 9:30am - 10:45am	Seats (Total: 22) TWS 0221
1201	Thomas Lowderbaugh Tu 11:00am - 12:15pm Th 11:00am - 12:15pm	Seats (Total: 22) TYD 1132 TWS 0232
1202	Rosalia Saklas TuTh 11:00am - 12:15pm	Seats (Total: 22) TWS 0214
1301	Frederick Bolton TuTh 12:30pm - 1:45pm	Seats (Total: 22) TWS 0221
1302	Clare Parsons TuTh 12:30pm - 1:45pm	Seats (Total: 22) TWS 0234
1401	Frederick Bolton TuTh 2:00pm - 3:15pm	Seats (Total: 22) TWS 0207
1402	Edward Helfers TuTh 2:00pm - 3:15pm	Seats (Total: 22) TWS 0214
1403	Shayna Maskell TuTh 2:00pm - 3:15pm	Seats (Total: 22) TWS 0221
1501	Edward Helfers TuTh 3:30pm - 4:45pm	Seats (Total: 22) TWS 0207
1502	Shayna Maskell TuTh 3:30pm - 4:45pm	Seats (Total: 22) TWS 0214

1503	Donald McGlew TuTh 3:30pm - 4:45pm	Seats (Total: 22) TWS 0221
1505	Ellen Blumner Tu 5:00pm - 6:15pm Th 5:00pm - 6:15pm	Seats (Total: 22) TWS 0201 TWS 0232
1506	Donald McGlew TuTh 5:00pm - 6:15pm	Seats (Total: 22) TWS 0207
1701	Elizabeth Fixsen Tu 6:30pm - 9:10pm	Seats (Total: 22) TWS 0230
1801	Elizabeth Fixsen W 6:30pm - 9:10pm	Seats (Total: 22) TWS 0230
SG91	Katherine Wilson TuTh 11:00am - 12:15pm *Restricted to BMGT-Shady Grove Juniors in Marketing and International Business. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.*	Seats (Total: 22) BLD3 2225
SG92	Katherine Wilson TuTh 12:30pm - 1:45pm *Restricted to BMGT-Shady Grove Juniors majoring in Marketing and International Business. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.*	Seats (Total: 22) BLD3 2225
SG93	Katherine Wilson TuTh 3:30pm - 4:45pm *Restricted to BMGT-Shady Grove Juniors majoring in International Business. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.*	Seats (Total: 22) BLD3 2225

ENGL395 Writing for Health Professions

ENGL395 Writing for Health Professions; (3 credits) Grade Method: REG. GenEd: Fundamental Studies - Professional Writing.
Prerequisite: ENGL101; or students who have taken courses with similar or comparable course content may contact the department. Restriction: Must have earned a minimum of 60 credits. Focus on accommodating technical material and empirical studies to lay audiences, and helping writers to achieve stylistic flexibility and correctness. Click here for more course information.

0101	Candice Shaifer MWF 9:00am - 9:50am	Seats (Total: 22) TWS 0214
0201	Candice Shaifer MWF 10:00am - 10:50am	Seats (Total: 22) TWS 0221
0801	Christopher Crane MW 5:00pm - 6:15pm	Seats (Total: 22) TWS 0221
1201	Rachel Box Tu 11:00am - 12:15pm Th 11:00am - 12:15pm	Seats (Total: 22) TWS 0224 TWS 0221
1202	Scott Wible TuTh 11:00am - 12:15pm	Seats (Total: 22) TWS 0223
1301	Rachel Box Tu 12:30pm - 1:45pm Th 12:30pm - 1:45pm	Seats (Total: 22) TWS 0224 TWS 1105
1401	Joseph Wappel Tu 2:00pm - 3:15pm Th 2:00pm - 3:15pm	Seats (Total: 22) TWS 0223 EDU 2102
1501	Joseph Wappel Tu 3:30pm - 4:45pm Th 3:30pm - 4:45pm	Seats (Total: 22) TWS 0223 SQH 2119
1505	Joseph Wappel Tu 5:00pm - 6:15pm Th 5:00pm - 6:15pm	Seats (Total: 22) TWS 0223 SQH 2119

1801	Daniel Pendick W 6:30pm - 9:10pm	Seats (Total: 22) TWS 0224
1901	Bethea Kleykamp Th 6:30pm - 9:10pm	Seats (Total: 22) ASY 3217

ENGL398A **Topics in Professional Writing; Writing for the Arts**

ENGL398A Topics in Professional Writing: Writing for the Arts; (3 credits) Grade Method: REG. GenEd: Fundamental Studies - Professional Writing. Prerequisite: 60 credits and completion of ENGL101 or equivalent. This course satisfies the professional writing requirement. Not open to students who have completed ENGL391A. Credit will be granted for only one of the following: ENGL398A or ENGL391A. Formerly ENGL391A. An advanced composition course which emphasizes writing about the arts. Click here for more course information.

1001	Caroline Wilkins TuTh 8:00am - 9:15am	Seats (Total: 22) TWS 0214
1101	Caroline Wilkins TuTh 9:30am - 10:45am	Seats (Total: 22) TWS 0234
1201	Caroline Wilkins TuTh 11:00am - 12:15pm	Seats (Total: 22) TWS 0234

ENGL398C **Topics in Professional Writing; Writing Case Studies and Narratives**

ENGL398C Topics in Professional Writing: Writing Case Studies and Narratives; (3 credits) Grade Method: REG. GenEd: Fundamental Studies - Professional Writing. Prerequisite: 60 credits and completion of ENGL101 or equivalent. This course satisfies the professional writing requirement. An advanced composition course which emphasizes writing cases and investigative reports. Click here for more course information.

0601	Joshua Buursma MW 2:00pm - 3:15pm	Seats (Total: 22) TWS 0207
0701	Joshua Buursma MW 3:30pm - 4:45pm	Seats (Total: 22) TWS 0214

0801	Joshua Buursma MW 5:00pm - 6:15pm	Seats (Total: 22) TWS 0234

ENGL398E **Topics in Professional Writing; Writing about Economics**

ENGL398E Topics in Professional Writing: Writing about Economics; (3 credits) Grade Method: REG. GenEd: Fundamental Studies - Professional Writing. Prerequisite: 60 credits and completion of ENGL101 or equivalent. This course satisfies the professional writing requirement. Not open to students who have completed ENGL394E. Credit will be granted for only one of the following : ENGL398E or ENGL394E. Formerly ENGL394E. A business writing class focusing on writing about economics. Click here for more course information.

0801	Michael Winett M 5:00pm - 6:15pm W 5:00pm - 6:15pm	Seats (Total: 22) TWS 0232 TYD 1108

ENGL398L **Topics in Professional Writing; Scholarly Writing in the Humanities**

ENGL398L Topics in Professional Writing: Scholarly Writing in the Humanities; (3 credits) Grade Method: REG. GenEd: Fundamental Studies - Professional Writing. Prerequisite: 60 credits and completion of ENGL101 or equivalent. This course satisfies the professional writing requirement. An advanced composition class focusing on the norms and procedures of advanced academic writing. Click here for more course information.

0301	Mark Forrester MWF 11:00am - 11:50am	Seats (Total: 22) TWS 0234

ENGL398N **Topics in Professional Writing; Writing for Non-Profit Organizations**

ENGL398N Topics in Professional Writing: Writing for Non-Profit Organizations; (3 credits) Grade Method: REG. GenEd: Fundamental Studies - Professional Writing. Prerequisite: 60 credits and completion of ENGL101 or equivalent. This course satisfies the professional writing requirement. Not open to students who have completed ENGL394N. Credit will be granted for only one of the following ENGL398N or ENGL394N. Formerly ENGL394N. A busniness writing class focusinog on writing about nonprofits. Click here for more course information.

0401	John Mancini MWF 12:00pm - 12:50pm	Seats (Total: 22) TWS 0234
0501	John Mancini MWF 1:00pm - 1:50pm	Seats (Total: 22) TWS 0234
1201	Rebecca Holden Tu 11:00am - 12:15pm Th 11:00am - 12:15pm	Seats (Total: 22) TWS 0221 TWS 0230
1202	Katherine Robinson TuTh 11:00am - 12:15pm	Seats (Total: 22) TWS 1105
1301	Rebecca Holden Tu 12:30pm - 1:45pm Th 12:30pm - 1:45pm	Seats (Total: 22) TWS 1105 TWS 0230
1401	Katherine Robinson TuTh 2:00pm - 3:15pm	Seats (Total: 22) TWS 0234

ENGL398R **Topics in Professional Writing; Writing Non-Fictional Narratives**

ENGL398R Topics in Professional Writing: Writing Non-Fictional Narratives; (3 credits) Grade Method: REG. GenEd: Fundamental Studies - Professional Writing. Prerequisite: 60 credits and completion fo ENGL101 or equivalent. This course satisfies the professional writing requirement. Not open to students who have completed ENGL391N. Credit will be granted for only one of the following: ENGL398R or ENGL391N. Formerly ENGL391N. An advanced composition course which emphasizes nonfiction narrative writing. Click here for more course information.

1001	Pamela Gerhardt Tu 8:00am - 9:15am Th 8:00am - 9:15am	Seats (Total: 22) TWS 0232 TWS 1105
1101	Pamela Gerhardt Tu 9:30am - 10:45am Th 9:30am - 10:45am	Seats (Total: 22) TWS 0232 EDU 2102
1201	Pamela Gerhardt Tu 11:00am - 12:15pm Th 11:00am - 12:15pm	Seats (Total: 22) TWS 0232 BPS 1232

ENGL398V **Topics in Professional Writing; Writing about the Environment**

ENGL398V Topics in Professional Writing: Writing about the Environment; (3 credits) Grade Method: REG. GenEd: Fundamental Studies - Professional Writing. Prerequisite: 60 credits and completion of ENGL101 or equivalent. This course satisfies the professional writing requirement. Not open to students who have completed ENGL393E. Credit will be granted for only one of the following ENGL398V or ENGL393E. Formerly ENGL393E. Click here for more course information.

0601	Ann Mason MW 2:00pm - 3:15pm	Seats (Total: 22) TWS 0214
0701	Ann Mason MW 3:30pm - 4:45pm	Seats (Total: 22) TWS 0221
0801	Ann Mason MW 5:00pm - 6:15pm	Seats (Total: 22) ASY 3203

ENGL402 **Chaucer**

ENGL402 Chaucer; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Two English courses in literature; or permission of ARHU-English department. Works read in Middle English. Readings may include Canterbury Tales, Troilus and Criseyde, dream visions, lyrics.

0101	Theresa Coletti MW 11:00am - 12:15pm	Seats (Total: 25) TWS 0205

ENGL403 **Shakespeare: The Early Works**

ENGL403 Shakespeare: The Early Works; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Two English courses in literature; or permission of ARHU-English department. Close study of selected works from the first half of Shakespeare's career. Generic issues of early histories, comedies, tragedies. Language, theme, dramatic technique, sources, and early modern English social-historical context.

0101	Scott Trudell TuTh 11:00am - 12:15pm	Seats (Total: 25) TWS 0236

ENGL404 **Shakespeare: The Later Works**

ENGL404 Shakespeare: The Later Works; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Two English courses in literature; or permission of ARHU-English department. Close study of selected plays from the second half of Shakespeare's career. Generic issues of later tragedies, later comedies, romances. Language, theme, dramatic technique, sources, and early modern English social-historical context.

0101	Amanda Bailey	Seats (Total: 25)
	TuTh 2:00pm - 3:15pm	TWS 0236

ENGL408B **Literature by Women Before 1800; The Battle of the Sexes**

ENGL408B Literature by Women Before 1800: The Battle of the Sexes; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as WMST408B. Prerequisite: two English courses in literature or permission of department.

0101	Kimberly Coles	Seats (Total: 25)
	TuTh 12:30pm - 1:45pm	TWS 0205

ENGL409C **Study Abroad Special Topics IV; Shakespeare's Italian Plays**
Contact department for information to register for this course.

ENGL409L **Study Abroad Special Topics IV; Literature of London**
Contact department for information to register for this course.

ENGL409P **Study Abroad Special Topics IV; Phonies, Fakes, Liars and Conmen: Readings in Fact and Fiction**
Contact department for information to register for this course.

ENGL416 **Literature of the Eighteenth Century, 1700-1750**

ENGL416 Literature of the Eighteenth Century, 1700-1750; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Two English courses in literature; or permission of ARHU-English department. British literary traditions, including the poetry of Pope, the prose of Swift, the correspondence of Montagu, the drama of Gay, and early novels by Defoe, Richardson, and Fielding.

0101	Laura Rosenthal	Seats (Total: 25)
	MW 12:30pm - 1:45pm	TWS 1107

ENGL420 **English Romantic Literature**

ENGL420 English Romantic Literature; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Two English courses in literature; or permission of ARHU-English department. British poetry, drama, fiction, and criticism c.1790 to c.1830, a period of dramatic social change and revolution in literature, philosophy, the arts, industry, and politics. Authors include Austen, Wordsworth, Coleridge, Keats, Byron, Percy, and Mary Shelley.

0101	Orrin Wang	Seats (Total: 25)
	MW 2:00pm - 3:15pm	TWS 0236

ENGL428X **Seminar in Language and Literature; Photography and Literature**

ENGL428X *(PermReq)* **Seminar in Language and Literature: Photography and Literature; (3 credits)** Grade Method: REG/P-F/AUD.
Junior standing. For ENGL majors only. Repeatable to 9 credits if content differs. Course intended primarily for students in English Honors Program. English majors with strong academic records may also apply. Permission from the Director of Honors required.

0101	Sheila Jelen	Seats (Total: 20)
	TuTh 12:30pm - 1:45pm	TWS 3136

ENGL429 **Independent Research in English**

ENGL429 *(PermReq)* **Independent Research in English; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: ENGL301 and two English courses, excluding Fundamental Studies requirement.

Contact department for information to register for this course.

ENGL433 **American Literature: 1914 to the Present, the Modern Period**

ENGL433 American Literature: 1914 to the Present, the Modern Period; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Two English courses in literature; or permission of ARHU-English department. Modernism, Postmodernism. Writers such as Stevens, Stein, Ellison.

0101	Sharada Balachandran Orihuela	Seats (Total: 25)
	TuTh 12:30pm - 1:45pm	SQH 2119

ENGL440 **The Novel in America to 1914**

ENGL440 The Novel in America to 1914; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Two English courses in literature; or permission of ARHU-English department. Survey of the American novel to World War I. Cultural and philosophical contexts; technical developments in the genre. Authors such as Melville, Wells Brown, James, Sedgwick, Chopin.

0101	John Auchard	Seats (Total: 25)
	TuTh 9:30am - 10:45am	TWS 0236

ENGL444 **Feminist Critical Theory**

ENGL444 Feminist Critical Theory; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: WMST200, WMST250, or ENGL250. Also offered as: WMST444. Credit only granted for: ENGL444 or WMST444. Issues in contemporary feminist thought that have particular relevance to textual studies, such as theories of language, literature, culture, interpretation, and identity.

0101	Jessica Enoch	Seats (Total: 25)
	MW 12:30pm - 1:45pm	TWS 0205

ENGL454 **Modern Drama**

ENGL454 Modern Drama; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Two English courses in literature; or permission of ARHU-English department. The roots of European Modernism and its manifestation in the drama of the twentieth century. Such playwrights as Beckett, Churchill, Stoppard, Wilde, Chekhov, Ibsen, Brecht, O'Neill, Sartre, Anouilh, Williams, and Shaw.

0101	Michael Olmert	Seats (Total: 25)
	MW 9:30am - 10:45am	TWS 0201

ENGL455 **The Eighteenth-Century English Novel**

ENGL455 The Eighteenth-Century English Novel; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Two English courses in literature; or permission of ARHU-English department. The origins and development of the British novel, from the late seventeenth century until the beginning of the nineteenth. Questions about what novels were, who wrote them, and who read them. Authors such as Behn, Defoe, Richardson, Fielding, Sterne, Smollett, Burney, Radcliffe, and Austen.

0101	Vincent Carretta	Seats (Total: 25)
	MW 11:00am - 12:15pm	TWS 0201

ENGL457 **The Modern Novel**

ENGL457 The Modern Novel; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Two English courses in literature; or permission of ARHU-English department. Modernism in the novel of the twentieth century. Such writers as Joyce, Lawrence, Murdoch, James, Forster, Faulkner, Hemingway, Fitzgerald, Ellison, Welty, Nabokov and Malamud.

0101	Brian Richardson	Seats (Total: 25)
	MW 3:30pm - 4:45pm	TWS 0236

ENGL465 **Theories of Sexuality and Literature**

ENGL465 Theories of Sexuality and Literature; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Two lower-level English courses, at least one in literature; or permission of ARHU-English department. Also offered as: LGBT465. Credit only granted for: ENGL465 or LGBT465. An in-depth study of the ways in which sexuality and sexual difference create or confound the conditions of meaning in the production of literary texts. Attention to psychoanalysis, history of sexuality, feminist theory, and other accounts of sexual identity.

0101	Marilee Lindemann MW 2:00pm - 3:15pm	Seats (Total: 25) TWS 1107

ENGL466 **Arthurian Legend**

ENGL466 Arthurian Legend; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Two English courses in literature; or permission of ARHU-English department. Development of Arthurian legend in English and continental literature from Middle Ages to twentieth century. All readings in modern English.

0101	Kellie Robertson MW 2:00pm - 3:15pm	Seats (Total: 25) TWS 0205

ENGL467 **Computer and Text**

ENGL467 Computer and Text; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: One English course in literature; or permission of ARHU-English department. Examines electronic literature and other aspects of digital textuality. Topics may include interactive fiction, hypertext, image and sound works, literary games and simulations. Emphasis on critical and theoretical approaches rather than design or programming.

0101	Melanie Kill Tu 3:30pm - 4:45pm Th 3:30pm - 4:45pm	Seats (Total: 25) TWS 0224 TWS 0201

ENGL468M **Selected Topics in Film Studies; Melodrama: Genre, Gender, and Value in Film**

ENGL468M Selected Topics in Film Studies: Melodrama: Genre, Gender, and Value in Film; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as FILM359M. Prerequisite: One college-level English course in literature and at least one college-level film course, or permission of department.

0101	Marianne Conroy	Seats (Total: 25)
	TuTh 11:00am - 12:15pm	TWS 1106

ENGL470 **African-American Literature: The Beginning to 1910**

ENGL470 African-American Literature: The Beginning to 1910; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Two English courses in literature; or permission of ARHU-English department. Beginnings of African-American literature including origins of literary expression in folk tales, songs, and spirituals; slave narratives; pamphlets, essays and oratory; and the emergence of poetry and fiction. Emphasis is on interaction between literary forms and the salient political issues of the day.

0101	Carla Peterson	Seats (Total: 25)
	TuTh 2:00pm - 3:15pm	TWS 1105

ENGL472 **African-American Literature: 1945 to Present**

ENGL472 African-American Literature: 1945 to Present; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Two English courses in literature; or permission of ARHU-English department. Transformation of African-American literatures into modern and postmodern forms. Influenced by World War II and the Civil Rights and Black Power movements, this literature is characterized by conscious attempts to reconnect literary and folk forms, the emergence of women writers, and highly experimental fiction.

0101	Mary Washington	Seats (Total: 25)
	TuTh 3:30pm - 4:45pm	TWS 0236

ENGL475 **Postmodern Literature**

ENGL475 Postmodern Literature; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: Two English courses in literature; or permission of ARHU-English department.* The origins and ongoing development of postmodern literature. Aspects of the "postmodern condition," such as the collapse of identity, the erasure of cultural and aesthetic boundaries, and the dissolution of life into textuality. The novel and other genres and media.

0101	Matthew Kirschenbaum MW 3:30pm - 4:45pm	Seats (Total: 25) TWS 1107
0201	Lee Konstantinou TuTh 2:00pm - 3:15pm	Seats (Total: 25) TWS 0205

ENGL478M **Selected Topics in English and American Literature before 1800; Medieval Rhetoric and Literature: East and West**

ENGL478M Selected Topics in English and American Literature before 1800: Medieval Rhetoric and Literature: East and West; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: two English courses in literature or permission of department.

0101	Vessela Valiavitcharska MW 3:30pm - 4:45pm	Seats (Total: 25) TWS 0201

ENGL479E **Selected Topics in English and American Literature after 1800; World Literature, Eco Criticism and the Environment**

ENGL479E Selected Topics in English and American Literature after 1800: World Literature, Eco Criticism and the Environment; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: two English courses in literature or permission of department. Works and films in North American, Australian, Caribbean, South Asian and African writers and film makers who deal with the environment and whose work explores various perceptions on ecological issues.

0101	Sangeeta Ray TuTh 3:30pm - 4:45pm	Seats (Total: 25) TWS 1107

ENGL479M **Selected Topics in English and American Literature after 1800; Roots Music and Film**

ENGL479M Selected Topics in English and American Literature after 1800: Roots Music and Film; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Two lower-level English courses in literature or permission of department.

0101	Barry Pearson	Seats (Total: 25)
	TuTh 12:30pm - 1:45pm	TWS 1107

ENGL479N **Selected Topics in English and American Literature after 1800; London and the Modern British Novel**

ENGL479N Selected Topics in English and American Literature after 1800: London and the Modern British Novel; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: two English courses in literature or permission of department.

0101	Jesse Taylor	Seats (Total: 25)
	TuTh 2:00pm - 3:15pm	TWS 0201

ENGL479V **Selected Topics in English and American Literature after 1800; Aesthetes, Decadents, and the New Women**

ENGL479V Selected Topics in English and American Literature after 1800: Aesthetes, Decadents, and the New Women; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: two English courses in literature or permission of department.

0101	Jason Rudy	Seats (Total: 25)
	TuTh 12:30pm - 1:45pm	TWS 0201

ENGL487 **Foundations of Rhetoric**

ENGL487 Foundations of Rhetoric; (3 credits) Grade Method: REG/P-F/AUD.
Credit only granted for: ENGL487 or COMM401. Principles and approaches to the theory, criticism, and historical understanding of rhetorical discourse.

0101	Vessela Valiavitcharska	Seats (Total: 25)
	MW 12:30pm - 1:45pm	TWS 0236

ENGL488A **Topics in Advanced Writing; Web Authoring: Text, Image, and Design**

ENGL488A Topics in Advanced Writing: Web Authoring: Text, Image, and Design; (3 credits) Grade Method: REG/P-F/AUD.

0101	Melanie Kill TuTh 2:00pm - 3:15pm	Seats (Total: 22) TWS 0224

ENGL489C **Special Topics in English Language; Pragmatics: The Cognitive Bases of Figurative Language**

ENGL489C Special Topics in English Language: Pragmatics: The Cognitive Bases of Figurative Language; (3 credits) Grade Method: REG/P-F/AUD.

0101	Michael Israel TuTh 11:00am - 12:15pm	Seats (Total: 25) TWS 0201

ENGL489R **Special Topics in English Language; Women and Rhetoric in U.S. Literature**

ENGL489R Special Topics in English Language: Women and Rhetoric in U.S. Literature; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as WMST498R. Credit will be granted for only one of the following: ENGL489R or WMST498R.

0101	Shirley Logan MW 11:00am - 12:15pm	Seats (Total: 25) TWS 1107

ENGL494 **Editing and Document Design**

ENGL494 Editing and Document Design; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ENGL393 or ENGL391; or students who have taken courses with similar or comparable course content may contact the department. Principles of general editing for clarity, precision and correctness. Applications of the conventions of grammar, spelling, punctuation and usage, and organization for logic and accuracy. Working knowledge of the professional vocabulary of editing applied throughout the course.

0101	Lea Chartock MW 2:00pm - 3:15pm	Seats (Total: 25) TWS 0223

ENGL495 **Independent Study in Honors**

ENGL495 *(PermReq)* **Independent Study in Honors; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: ENGL373 and ENGL370. Restriction: Must be in English Language and Literature program; and Candidacy for honors in English. Completion and presentation of the senior honors project.

Contact department for information to register for this course.

ENGL498 **Advanced Fiction Workshop**

ENGL498 *(PermReq)* **Advanced Fiction Workshop; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ENGL352 or ENGL396; or permission of department.

0101	Emily Mitchell Th 3:30pm - 6:00pm	Seats (Total: 15) TWS 3250
0201	Howard Norman Tu 3:30pm - 6:00pm	Seats (Total: 15) TWS 3250

ENGL499 **Advanced Poetry Workshop**

ENGL499 *(PermReq)* **Advanced Poetry Workshop; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ENGL353 or ENGL397; or permission of department.

0101	Donald Berger W 3:30pm - 6:00pm	Seats (Total: 15) TWS 1106

ENGL601 **Literary Research and Critical Contexts**

ENGL601 *(PermReq)* **Literary Research and Critical Contexts; (3 credits)** Grade Method: REG/AUD.

0101	Martha Nell Smith Tu 3:30pm - 6:00pm	Seats (Total: 15) TWS 3252

ENGL602 **Critical Theory and Literary Criticism**

ENGL602 *(PermReq)* **Critical Theory and Literary Criticism; (3 credits)** Grade Method: REG/AUD.
An introduction to critical theory and literary criticism, with an overview of major movements (including formalism, structuralism and poststructuralism, Marxism, psychoanalysis, and feminism). Designed to help graduate students assess the various ways of approaching and writing about literature. For English majors only.

0101	Eric Zakim	Seats (Total: 15)
	Th 6:30pm - 9:00pm	TWS 3136

ENGL607 **Readings in the History of Rhetorical Theory to 1900**

ENGL607 *(PermReq)* **Readings in the History of Rhetorical Theory to 1900; (3 credits)** Grade Method: REG/AUD.
Earlier theories of effective written discourse surveyed historically and as influenced by ethical, technical, and social change.

0101	Jessica Enoch	Seats (Total: 15)
	W 3:30pm - 6:00pm	TWS 3132

ENGL611 **Approaches to College Composition**

ENGL611 *(PermReq)* **Approaches to College Composition; (3 credits)** Grade Method: REG/AUD.
Prerequisite: Permission of ARHU-English department. Additional information: Required for graduate assistants (optional to other graduate students). A seminar emphasizing rhetorical and linguistic foundations for the handling of a course in freshman composition.

0101	Linda Macri	Seats (Total: 18)
	M 3:30pm - 6:00pm	TWS 3132

ENGL621 **Readings in Renaissance English Literature**

ENGL621 *(PermReq)* **Readings in Renaissance English Literature; (3 credits)** Grade Method: REG/AUD.

0101	Kimberly Coles	Seats (Total: 15)
	Th 3:30pm - 6:00pm	TWS 3252

ENGL625 **Readings in English Victorian Literature**

ENGL625 *(PermReq)* **Readings in English Victorian Literature; (3 credits)** Grade Method: REG/AUD.

0101	Jason Rudy Tu 6:30pm - 9:00pm	Seats (Total: 15) TWS 3136

ENGL631 **Readings in 20th Century American Literature**

ENGL631 *(PermReq)* **Readings in 20th Century American Literature; (3 credits)** Grade Method: REG/AUD.

0101	Merle Collins M 6:30pm - 9:00pm	Seats (Total: 15) TWS 3250
0201	Linda Kauffman Tu 6:30pm - 9:00pm	Seats (Total: 15) TWS 3250

ENGL688 **Poetry Workshop**

ENGL688 *(PermReq)* **Poetry Workshop; (3 credits)** Grade Method: REG/AUD.

0101	Stanley Plumly W 3:30pm - 6:00pm	Seats (Total: 12) TWS 3134
0201	Elizabeth Arnold W 3:30pm - 6:00pm	Seats (Total: 12) TWS 3248

ENGL689 **Fiction Workshop**

ENGL689 *(PermReq)* **Fiction Workshop; (3 credits)** Grade Method: REG/AUD.

0101	Howard Norman W 3:30pm - 6:00pm	Seats (Total: 12) TWS 3250
0201	Emily Mitchell W 3:30pm - 6:00pm	Seats (Total: 12) TWS 3252

ENGL699 **Independent Study**

ENGL699 *(PermReq)* **Independent Study; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENGL702 **Cultures of Theory**

ENGL702 *(PermReq)* **Cultures of Theory; (3 credits)** Grade Method: REG/AUD. *Prerequisite: An introductory course in critical theory.* An exploration of the socio-historic, material, and cultural contexts of various theoretical practices and traditions.

0101	Keguro Macharia Tu 3:30pm - 6:00pm	Seats (Total: 10) TWS 3134

ENGL749T **Studies in Twentieth-Century Literature; Transatlantic Modernism**

ENGL749T *(PermReq)* **Studies in Twentieth-Century Literature: Transatlantic Modernism; (3 credits)** Grade Method: REG/AUD.

0101	Christina Walter Th 3:30pm - 6:00pm	Seats (Total: 10) TWS 3134

ENGL758B **Literary Criticism and Theory; Book 2.0: The History of the Book and the Future of Reading**

ENGL758B *(PermReq)* **Literary Criticism and Theory: Book 2.0: The History of the Book and the Future of Reading; (3 credits)** Grade Method: REG/AUD.

0101	Kari Kraus Th 6:30pm - 9:00pm	Seats (Total: 10) TWS 3134

ENGL798B **Critical Theory Colloquium**

ENGL798B *(PermReq)* **Critical Theory Colloquium; (1 credit)** Grade Method: REG/AUD.

0101	Orrin Wang Contact instructor or department for details.	Seats (Total: 18)

ENGL799 **Master's Thesis Research**

ENGL799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENGL878 **Pedagogical Mentoring for Doctoral Students**

ENGL878 *(PermReq)* **Pedagogical Mentoring for Doctoral Students; (1-3 credits)** Grade Method: S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENGL879 **Professional Mentoring for Doctoral Students**

ENGL879 *(PermReq)* **Professional Mentoring for Doctoral Students; (1-3 credits)** Grade Method: S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENGL888E **Practicum in English Studies; Ethnography in Transit: Disciplinary and Cultural Crossings**

ENGL888E Practicum in English Studies: Ethnography in Transit: Disciplinary and Cultural Crossings; (1 credit) Grade Method: S-F.
Also offered as CMLT788E and SLLC698J. Class will meet on the following dates: Sept. 21, Oct. 5, 19, Nov. 16 and Dec. 7. Click here for more course information.

0101	Sheila Jelen	Seats (Total: 20)
	F 2:00pm - 4:00pm	TWS 3132

ENGL898 **Pre-Candidacy Research**

ENGL898 *(PermReq)* **Pre-Candidacy Research; (1-8 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENGL899 **Doctoral Dissertation Research**

ENGL899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENMA Engineering, Materials Fall 2012

ENMA150 **Materials of Civilization**

ENMA150 Materials of Civilization; (3 credits) Grade Method: REG/P-F/AUD. CORE Physical Science (PS) Course. GenEd: Distributive Studies - Natural Sciences; Signature Courses - I-Series.
The discovery of new materials has shaped history and built civilizations. The utilization, properties and production techniques of materials from the Bronze Age up through modern times and into the future will be traced. These materials are explained by considering their atomic structure, the binding forces between atoms and their arrangement, and how controlling the structure controls the materials properties.
A Marquee Science and Technology Course designed for Non-Science Majors: http://www.marqueecourses.umd.edu/* Click here for more Marquee course information.

0101	Robert Briber TuTh 3:30pm - 4:45pm W 2:00pm - 2:50pm	Seats (Total: 40) CHE 2110 CHE 2136	 Discussion
0102	Robert Briber TuTh 3:30pm - 4:45pm Th 11:00am - 11:50am	Seats (Total: 40) CHE 2110 CHM 0119	 Discussion

ENMA300 **Introduction to Materials Engineering**

ENMA300 *(PermReq)* **Introduction to Materials Engineering; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ENES100; and permission of ENGR-Materials Science & Engineering department. Corequisite: Concurrently enrolled in MATH241. Recommended: PHYS261 and PHYS260. Also offered as: ENME382. Credit only granted for: ENMA300 or ENME382. Structure of materials, chemical composition, phase transformations, corrosion and mechanical properties of metals, ceramics, polymers and related materials. Materials selection in engineering applications.

0101	Aristos Christou TuTh 11:00am - 12:15pm Tu 12:30pm - 1:20pm	Seats (Total: 32) CHE 2108 Location: TBA	Lab
0102	Aristos Christou TuTh 11:00am - 12:15pm Tu 1:30pm - 2:20pm	Seats (Total: 33) CHE 2108 KEB 1135	Lab
0103	Aristos Christou TuTh 11:00am - 12:15pm M 1:00pm - 1:50pm	Seats (Total: 33) CHE 2108 KEB 1135	Lab
0201	Oded Rabin TuTh 11:00am - 12:15pm Th 12:30pm - 1:20pm	Seats (Total: 32) SPH 1301 KEB 1135	Lab
0202	Oded Rabin TuTh 11:00am - 12:15pm Th 1:30pm - 2:20pm	Seats (Total: 33) SPH 1301 KEB 1135	Lab
0301	Abhijit Dasgupta, Patrick McCluskey MWF 10:00am - 10:50am M 2:00pm - 2:50pm	Seats (Total: 32) CHE 2108 KEB 1135	Lab
0302	Abhijit Dasgupta, Patrick McCluskey MWF 10:00am - 10:50am W 2:00pm - 2:50pm	Seats (Total: 33) CHE 2108 KEB 1135	Lab
0303	Abhijit Dasgupta, Patrick McCluskey MWF 10:00am - 10:50am W 1:00pm - 1:50pm	Seats (Total: 32) CHE 2108 KEB 1135	Lab
0401	Timothy Foecke TuTh 9:30am - 10:45am M 3:00pm - 3:50pm	Seats (Total: 35) CHE 2136 KEB 1135	Lab

ENMA310 Materials Laboratory I: Structural Characterization

ENMA310 *(PermReq)* **Materials Laboratory I: Structural Characterization; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ENMA300. Corequisite: Concurrently enrolled in ENMA460. Restriction: Junior standing or higher. Characterization of the structure of materials including both single crystal and polycrystalline materials. Laboratories will include x-ray and electron diffraction and microscopy.

0101	Luz Martinez-Miranda Tu 2:00pm - 3:15pm M 9:00am - 12:00pm	Seats (Total: 14) CHE 2145 KIM 1135	 Lab
0102	Luz Martinez-Miranda Tu 2:00pm - 3:15pm W 9:00am - 12:00pm	Seats (Total: 14) CHE 2145 KIM 1135	 Lab

ENMA362 **Mechanical Properties**

ENMA362 *(PermReq)* **Mechanical Properties; (4 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ENMA300. Restriction: Junior standing or higher; or permission of ENGR-Materials Science & Engineering department. Fundamentals of mechanical behavior in materials. Elastic behavior, dislocations, strengthening, high temperature deformation, deformation of noncrystalline materials, tensile fracture and fatigue. For ENMA majors only.

0101	Sreeramamurthy Ankem MWF 1:00pm - 1:50pm Tu 9:00am - 11:00am	Seats (Total: 19) CHE 2145 KEB 1135	 Lab

ENMA460 **Physics of Solid Materials**

ENMA460 Physics of Solid Materials; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PHYS271, PHYS270, and MATH241. Restriction: Junior standing or higher; and must be in Engineering: Materials Science program. Also offered as: PHYS431. Credit only granted for: ENMA460 or PHYS431. Classes of materials; introduction to basic ideal and real materials' behavior including mechanical, electrical, thermal, magnetic and optical responses of materials; importance of microstructure in behavior. One application of each property will be discussed in detail.

0101	Ichiro Takeuchi MW 5:00pm - 6:15pm	Seats (Total: 37) EGR 0135

ENMA462 **Smart Materials**

ENMA462 *(PermReq)* **Smart Materials; (3 credits)** Grade Method: REG/P-F/AUD. *Restriction: Permission of ENGR-Materials Science & Engineering department. Credit only granted for: ENMA462 or ENMA489B. Formerly: ENMA489B.* A fundamental understanding will be provided as it relates to the following topics: ferroic materials, ferromagnets, ferroelectric materials, shape memory alloys and multiferroic materials that are simultaneously ferromagnetic and ferroelectric. The ferroic properties will be discussed on an atomic, nano- and micro-scales so that actual and potential applications on those scales become clear. Examples of those applications will be presented.

0101	Manfred Wuttig TuTh 3:30pm - 4:45pm	Seats (Total: 15) CHE 2145

ENMA463 **Macroprocessing of Materials**

ENMA463 *(PermReq)* **Macroprocessing of Materials; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ENMA300. Restriction: Junior standing or higher. Processing of modern, bulk engineering materials. Raw materials, forming, firing, finishing and joining. More emphasis on metals and ceramics than polymers.

0101	Isabel Lloyd TuTh 12:30pm - 1:45pm	Seats (Total: 25) CHE 2145

ENMA466 **Advanced Materials Fabrication Laboratory**

ENMA466 *(PermReq)* **Advanced Materials Fabrication Laboratory; (3 credits)**
Grade Method: REG/P-F/AUD.
Prerequisite: ENMA465; and permission of ENGR-Materials Science & Engineering department. This course allows students an opportunity to study advanced materials systems in depth through a combination of lectures and hands-on laboratory experiments. Students will be trained in materials processing and characterization techniques. Each student will fabricate materials and devices in our state-of-the-art nanofabrication clean room facility (Fablab), as well as evaluate them using a variety of characterization techniques.

0101	Gary Rubloff, Vildana Hodzic M 10:00am - 12:50pm	Seats (Total: 10) BPS 1234

ENMA471 **Kinetics, Diffusion and Phase Transformations**

ENMA471 *(PermReq)* **Kinetics, Diffusion and Phase Transformations; (3 credits)**
Grade Method: REG/P-F/AUD.
Prerequisite: Completed or be concurrently enrolled in ENMA461. Restriction: Junior standing or higher; or permission of ENGR-Materials Science & Engineering department. Fundamentals of diffusion, the kinetics of reactions including nucleation and growth and phase transformations in materials. Also offered as ENPM 663.

0101	Raymond Phaneuf MW 2:00pm - 3:15pm	Seats (Total: 25) EGR 2154

ENMA475 **Fundamentals of Diffraction Techniques in Materials Science**

ENMA475 Fundamentals of Diffraction Techniques in Materials Science; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MATH246, PHYS270, and PHYS271. Restriction: Permission of ENGR-Materials Science & Engineering department. Credit only granted for: ENMA475 or ENMA489M. Formerly: ENMA489M. This course looks at the advanced methods of x-ray scattering/diffraction available thanks to the more powerful sources available to us. The availability of these sources enables us to study liquid crystals, polymers, nanomaterials, quasiorganized materials (including nano) and disordered materials.

0101	Luz Martinez-Miranda TuTh 9:30am - 10:45am	Seats (Total: 10) CSI 3118

ENMA489B **Selected Topics in Engineering Materials; Nanomechanics of Biomaterials**

ENMA489B Selected Topics in Engineering Materials: Nanomechanics of Biomaterials; (3 credits) Grade Method: REG/P-F/AUD.

0101	Joonil Seog	Seats (Total: 15)
	TuTh 11:00am - 12:15pm	CHE 2145

ENMA489H **Selected Topics in Engineering Materials; Materials for Energy 1**

ENMA489H *(PermReq)* **Selected Topics in Engineering Materials: Materials for Energy 1; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Eric Wachsman	Seats (Total: 20)
	TuTh 11:00am - 12:15pm	EGR 1110

ENMA495 **Polymeric Engineering Materials I**

ENMA495 Polymeric Engineering Materials I; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ENMA300. Also offered as: ENCH490. Credit only granted for: ENCH490 or ENMA495. Study of polymeric engineering materials and the relationship to structural type. Elasticity, viscoelasticity, anelasticity and plasticity of single and multiphase materials. Emphasis is on polymetric materials.

0101	Mohamad Al-Sheikhly	Seats (Total: 30)
	MW 3:30pm - 4:45pm	CHE 2136

ENMA499 **Senior Laboratory Project**

ENMA499 Senior Laboratory Project; (1-3 credits) Grade Method: REG/P-F/AUD.

0101	Ichiro Takeuchi	Seats (Total: 5)
	Contact instructor or department for details.	

ENMA626 **Fundamentals of Failure Mechanisms**

ENMA626 Fundamentals of Failure Mechanisms; (3 credits) Grade Method: REG/AUD.
Restriction: Permission of ENGR-Materials Science & Engineering department. Also offered as: ENRE600. Credit only granted for: ENMA626, ENMA698M, ENMA698R, or ENRE600. Formerly: ENMA698M and ENMA698R. Advanced failure mechanisms in reliability engineering wiil be taught from a basic materials and defects point of view. The methods of predicting the physics of failure of devices, materials, components and systems are reviewed. The main emphasis will be given to basic degradation mechanisms through understanding the physics, chemistry, and mechanics of such mechanisms. Mechanical failures are introduced through understanding fatigue, creep and yielding in materials, devices and components. The principles of cumulative damage and mechanical yielding theory are taught. The concepts of reliability growth, accelerated life testing, environmental testing are introduced. Physical, chemical and thermal related failures are introduced through a basic understanding of degradation mechanisms such as diffusion, electromigration, defects and defect migration. The failure mechanisms in basic material types will be taught. Failure mechanisms observed in real electronic devices and electronic packaging will also be presented. Problems related to manufacturing, and microelectronics will be analyzed. Mechanical failures are emphasized from the point of view of complex fatigue theory.

0101	Aristos Christou M 1:00pm - 3:40pm	Seats (Total: 40) JMP 2217
ER01	Aristos Christou Class time/details on ELMs	Seats (Total: 20) ONLINE
RE01	Aristos Christou Contact instructor or department for details.	Seats (Total: 10)

ENMA650 **Nanometer Structure of Materials**

ENMA650 *(PermReq)* **Nanometer Structure of Materials; (3 credits)** Grade Method: REG/AUD.
Prerequisite: ENMA 470 or equivalent. The basic concepts required for understanding nanostructured materials and their behavior will be covered. Topics covered include the structural aspects of crystalline and amorphous solids and relationships to bonding types, point and space groups. Summary of diffraction theory and practice. The reciprocal lattice. Relationships of the microscopically measured properties to crystal symmetry. Structural aspects of defects in crystalline solids.

0101	Gottlieb Oehrlein MW 5:00pm - 6:15pm	Seats (Total: 29) JMP 1202

ENMA660 **Thermodynamics in Materials Science**

ENMA660 Thermodynamics in Materials Science; (3 credits) Grade Method: REG/AUD.
Corequisite: Concurrently enrolled in ENMA650. Restriction: Permission of ENGR-Materials Science & Engineering department. Thermodynamics of engineering solids. Thermal, diffusional and mechanical interactions in macroscopic systems. Systems in thermal contact, systems in thermal and diffusive contact, systems in thermal and mechanical contact.

0101	Alexander Roytburd MW 2:00pm - 3:15pm	Seats (Total: 28) EGR 3114

ENMA662 **Advanced Smart Materials**

ENMA662 Advanced Smart Materials; (3 credits) Grade Method: REG/AUD.
Credit only granted for: ENMA662 or ENMA698W. Formerly: ENMA698W. This course will cover the three ferroic materials, ferromagnetic, ferroelectric, and ferroelastic (also known as Shape Memory Alloy, SMA) as well as materials that are simultaneously ferromagnetic and ferroelectric etc. Their similarities and differences will be identified and their atomic level and crystal structure examined. Phase transformations are very important and will be treated in some detail. Applications, e.g. permanent magnets, electronic magnetic materials, digital storage elements, actuators and sensors as well as SMAs for vision glasses, self-adjusting valves and the like will be covered.

0101	Manfred Wuttig TuTh 3:30pm - 4:45pm	Seats (Total: 10) CHE 2145

ENMA680 **Experimental Methods in Materials Science**

ENMA680 Experimental Methods in Materials Science; (3 credits) Grade Method: REG/AUD.
Prerequisite: ENMA650. Methods of measuring the structural aspects of materials. Optical and electron microscopy. Resonance methods. Electrical, optical and magnetic measurement techniques. Thermodynamic methods.

0101	Lourdes Salamanca-Riba TuTh 3:30pm - 4:45pm	Seats (Total: 25) EGR 3102	

ENMA681 **Diffraction Techniques in Materials Science**

ENMA681 Diffraction Techniques in Materials Science; (3 credits) Grade Method: REG/AUD.
Prerequisite: ENCH620. Theory of diffraction of electrons, neutrons and X-rays. Strong emphasis on diffraction methods as applied to the study of defects in solids. Short range order, thermal vibrations, stacking faults, microstrain.

0101	Luz Martinez-Miranda TuTh 9:30am - 10:45am	Seats (Total: 10) CSI 3118	

ENMA683 **Structural Determination Laboratory**

ENMA683 *(PermReq)* **Structural Determination Laboratory; (1 credit)** Grade Method: REG.
Restriction: Permission of ENGR-Materials Science & Engineering department. Credit only granted for: ENMA698L or ENMA683. Formerly: ENMA698L. The operation of an electron microscope is covered. TEM techniques that are used to characterize the structure, defects and composition of a sample are presented and used to study a variety of materials. These techniques are: electron diffraction patterns, bright/dark field imaging, high resolution lattic imaging and energy dispersive x-ray spectroscopy. Also covers different sample preparation techniques for TEM. The goal is that the students become independent users of the TEM.

0101	Lourdes Salamanca-Riba Th 9:30am - 11:30am	Seats (Total: 5) KEB 1237	Lab
0201	Lourdes Salamanca-Riba F 2:00pm - 4:00pm	Seats (Total: 5) KEB 1237	Lab

ENMA688 **Seminar in Materials Science and Engineering**

ENMA688 Seminar in Materials Science and Engineering; (1 credit) Grade Method: REG/AUD.

0101	Raymond Phaneuf, Robert Briber F 1:00pm - 2:30pm	Seats (Total: 23) CHE 2108

ENMA698 **Special Problems in Materials Science and Engineering**

ENMA698 *(PermReq)* **Special Problems in Materials Science and Engineering; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENMA698B **Special Problems in Materials Science and Engineering; Nanomechanics of Biomaterials**

ENMA698B Special Problems in Materials Science and Engineering: Nanomechanics of Biomaterials; (3 credits) Grade Method: REG/AUD.

0101	Joonil Seog TuTh 11:00am - 12:15pm	Seats (Total: 10) CHE 2145

ENMA698N **Special Problems in Materials Science and Engineering; Nanotechnology for Energy: Principles, Materials, and Devices**

ENMA698N Special Problems in Materials Science and Engineering: Nanotechnology for Energy: Principles, Materials, and Devices; (3 credits) Grade Method: REG/AUD.
Also offered as CHPH618B. Credit will be granted for one of the following: CHPH618B or ENMA698N.

0101	Liangbing Hu TuTh 2:00pm - 3:15pm	Seats (Total: 25) MTH 0403

ENMA797 **Independent Study**

ENMA797 Independent Study; (3 credits) Grade Method: REG/AUD.
This course is designed to provide students with a directed independent study course in order to prepare the scholarly paper required for the master's degree without thesis degree option.

0101	Manfred Wuttig Contact instructor or department for details.	Seats (Total: 5)

ENMA799 **Master's Thesis Research**

ENMA799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENMA898 **Pre-Candidacy Research**

ENMA898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENMA899 **Doctoral Dissertation Research**

ENMA899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENME Engineering, Mechanical Fall 2012

ENME201 **Careers in Mechanical Engineering**

ENME201 Careers in Mechanical Engineering; (1 credit) Grade Method: S-F. The Mechanical Engineering Curriculum, Career Paths. Research areas in the Mechanical Engineering Department. The Mechanical Engineering Profession.

0101	Kenneth Kiger, C Mote	Seats (Total: 65)	
	Th 12:30pm - 1:30pm	SPH 1303	

ENME271 **Introduction to Matlab**

ENME271 *(PermReq)* **Introduction to Matlab; (3 credits)** Grade Method: REG. *Prerequisite: ENES221.* Develop the skills to generate readable, compact and verifiably correct MATLAB scripts and functions to obtain numerical solutions to a wide range of engineering models and to display the results with fully annotated graphics. Learn structured programming.

0101	Christopher Chabalko	Seats (Total: 40)	
	MW 11:00am - 11:50am	CSS 2324	
	Th 3:00pm - 4:50pm	KEB 2111	Discussion

0102	Christopher Chabalko MW 11:00am - 11:50am M 1:00pm - 2:50pm	Seats (Total: 40) CSS 2324 KEB 2111	Discussion
0103	Christopher Chabalko MW 11:00am - 11:50am M 1:00pm - 2:50pm	Seats (Total: 30) CSS 2324 KEB 2107	Discussion

ENME331 **Fluid Mechanics**

ENME331 *(PermReq)* **Fluid Mechanics; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: ENES232 and ENES221. Also offered as: BIOE331. Credit only granted for: BIOE331 or ENME331.* Principles of fluid mechanics. Mass, momentum and energy conservation. Hydrostatics. Control volume analysis. Internal and external flow. Boundary layers. Modern measurement techniques. Computer analysis. Laboratory experiments.

0101	Kenneth Kiger, Christopher Jewell, James Duncan, Amir Riaz, Silvina Matysiak MW 12:00pm - 12:50pm Tu 1:00pm - 2:50pm	Seats (Total: 30) EGR 1202 JMP 2202	Lab
0102	James Duncan, Kenneth Kiger, Silvina Matysiak, Christopher Jewell, Amir Riaz MW 12:00pm - 12:50pm W 1:00pm - 2:50pm	Seats (Total: 30) EGR 1202 KEB 1200	Lab
0103	James Duncan, Silvina Matysiak, Christopher Jewell, Kenneth Kiger, Amir Riaz MW 12:00pm - 12:50pm Th 1:00pm - 2:50pm	Seats (Total: 30) EGR 1202 KEB 1200	Lab
0104	Kenneth Kiger, Silvina Matysiak, James Duncan, Amir Riaz, Christopher Jewell MW 12:00pm - 12:50pm F 3:00pm - 4:50pm	Seats (Total: 30) EGR 1202 KEB 1200	Lab

0105	Kenneth Kiger, James Duncan, Silvina Matysiak, Christopher Jewell, Amir Riaz MW 12:00pm - 12:50pm Th 3:00pm - 4:50pm	Seats (Total: 30) EGR 1202 CHE 2136	 Lab
0201	Christopher Jewell, Silvina Matysiak, Amir Riaz, Kenneth Kiger, James Duncan MW 11:00am - 11:50am F 1:00pm - 2:50pm	Seats (Total: 30) KEB 1110 KEB 1200	 Lab
0202	James Duncan, Silvina Matysiak, Christopher Jewell, Kenneth Kiger, Amir Riaz MW 11:00am - 11:50am Tu 3:00pm - 4:50pm	Seats (Total: 30) KEB 1110 CHM 0119	 Lab
0203	Silvina Matysiak, James Duncan, Christopher Jewell, Amir Riaz, Kenneth Kiger MW 11:00am - 11:50am W 3:00pm - 4:50pm	Seats (Total: 30) KEB 1110 JMP 1109	 Lab

ENME332 **Transfer Processes**

ENME332 *(PermReq)* **Transfer Processes; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ENME331. The principles of heat transfer. Conduction in solids. Convection. Radiation. Modern measurement techniques. Computer analysis.

0101	Marino diMarzo MW 9:00am - 9:50am Tu 1:00pm - 2:50pm	Seats (Total: 30) JMP 3201 MTH 0103	 Lab
0102	Marino diMarzo MW 9:00am - 9:50am W 1:00pm - 2:50pm	Seats (Total: 30) JMP 3201 JMP 1109	 Lab
0103	Marino diMarzo MW 9:00am - 9:50am Th 1:00pm - 2:50pm	Seats (Total: 30) JMP 3201 JMP 1109	 Lab

ENME350 **Electronics and Instrumentation I**

ENME350 *(PermReq)* **Electronics and Instrumentation I; (3 credits)** Grade Method: REG.

Prerequisite: PHYS271 and PHYS270. Credit only granted for: ENME252 or ENME350. Formerly: ENME252. Modern instrumentation. Basic circuit design, standard microelectronic circuits. Digital data acquisition and control. Signal conditioning. Instrumentation interfacing. Designing and testing of analog circuits. Laboratory experiments.

0101	Xinan Liu, Jungho Kim MW 8:00am - 8:50am M 1:00pm - 2:50pm	Seats (Total: 24) HJP 0226 EGR 0126	Lab
0102	Jungho Kim, Xinan Liu MW 8:00am - 8:50am Th 1:00pm - 2:50pm	Seats (Total: 24) HJP 0226 EGR 0126	Lab
0103	Xinan Liu, Jungho Kim MW 8:00am - 8:50am W 3:20pm - 5:10pm	Seats (Total: 24) HJP 0226 EGR 0126	Lab
0104	Jungho Kim, Xinan Liu MW 8:00am - 8:50am Tu 3:20pm - 5:10pm	Seats (Total: 24) HJP 0226 EGR 0126	Lab
0201	Jungho Kim, Xinan Liu MW 8:00am - 8:50am Th 3:20pm - 5:10pm	Seats (Total: 24) HJP 0226 EGR 0126	Lab
0202	Jungho Kim, Xinan Liu MW 8:00am - 8:50am F 10:00am - 11:50am	Seats (Total: 24) HJP 0226 EGR 0126	Lab
0203	Jungho Kim, Xinan Liu MW 8:00am - 8:50am F 3:20pm - 5:10pm	Seats (Total: 24) HJP 0226 EGR 0126	Lab
0204	Jungho Kim, Xinan Liu MW 8:00am - 8:50am Th 6:00pm - 7:50pm	Seats (Total: 24) HJP 0226 EGR 0126	Lab

ENME351 **Electronics and Instrumentation II**

ENME351 *(PermReq)* **Electronics and Instrumentation II; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: PHYS271, ENME350, and PHYS270. Continuation of ENME 350. Modern instrumentation. Basic circuit design, standard microelectronic circuits. Digital data acquisition and control. Signal conditioning. Instrumentation interfacing. Designing and testing of analog circuits. Laboratory experiments.

0101	Don DeVoe MW 10:00am - 10:50am M 3:20pm - 5:10pm	Seats (Total: 24) KEB 1110 EGR 0126	 Lab
0102	Don DeVoe MW 10:00am - 10:50am Tu 1:00pm - 2:50pm	Seats (Total: 24) KEB 1110 EGR 0126	 Lab
0103	Don DeVoe MW 10:00am - 10:50am W 1:00pm - 2:50pm	Seats (Total: 24) KEB 1110 EGR 0126	 Lab
0104	Don DeVoe MW 10:00am - 10:50am F 1:00pm - 2:50pm	Seats (Total: 24) KEB 1110 EGR 0126	 Lab

ENME361 **Vibration, Controls and Optimization I**

ENME361 *(PermReq)* **Vibration, Controls and Optimization I; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ENME271 or MATH206. Restriction: Must be in Engineering: Mechanical program. Fundamentals of vibration, controls and optimization. Analysis and design in time, Laplace and frequency domains. Mathematical description of system response, system stability, control and optimization. Optimal design of mechanical systems.

0101	Santiago Solares TuTh 9:30am - 10:45am	Seats (Total: 105) CHE 2110	

ENME371 **Product Engineering and Manufacturing**

ENME371 *(PermReq)* **Product Engineering and Manufacturing; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: STAT400, ENES221, or ENME392. Restriction: Must be in Engineering: Mechanical program. Business aspects of engineering product development. Relationship of design and manufacturing. Product specification. Statistical process control. Design team development. The development process.

0101	Chandrasekhar Thamire MW 11:00am - 11:50am Th 5:00pm - 6:50pm	Seats (Total: 30) CHE 2108 EGL 0101	 Lab
0102	Chandrasekhar Thamire MW 11:00am - 11:50am Th 3:00pm - 4:50pm	Seats (Total: 30) CHE 2108 EGL 0101	 Lab
0103	Chandrasekhar Thamire MW 11:00am - 11:50am F 8:00am - 9:50am	Seats (Total: 30) CHE 2108 EGL 0101	 Lab

ENME382 **Introduction to Materials Engineering**

ENME382 Introduction to Materials Engineering; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ENES100; and permission of ENGR-Mechanical Engineering department. Corequisite: Concurrently enrolled in MATH241. Recommended: PHYS261 and PHYS260. Also offered as: ENMA300. Credit only granted for: ENMA300 or ENME382. Structure of materials, chemical composition, phase transformations, corrosion and mechanical properties of metals, ceramics, polymers and related materials. Materials selection in engineering applications.

0101	Aristos Christou TuTh 11:00am - 12:15pm Tu 12:30pm - 1:20pm	Seats (Total: 32) CHE 2108 Location: TBA	 Lab
0102	Aristos Christou TuTh 11:00am - 12:15pm Tu 1:30pm - 2:20pm	Seats (Total: 33) CHE 2108 KEB 1135	 Lab

0103	Aristos Christou TuTh 11:00am - 12:15pm M 1:00pm - 1:50pm	Seats (Total: 33) CHE 2108 KEB 1135	 Lab
0201	Oded Rabin TuTh 11:00am - 12:15pm Th 12:30pm - 1:20pm	Seats (Total: 32) SPH 1301 KEB 1135	 Lab
0202	Oded Rabin TuTh 11:00am - 12:15pm Th 1:30pm - 2:20pm	Seats (Total: 33) SPH 1301 KEB 1135	 Lab
0301	Patrick McCluskey, Abhijit Dasgupta MWF 10:00am - 10:50am M 2:00pm - 2:50pm	Seats (Total: 32) CHE 2108 KEB 1135	 Lab
0302	Patrick McCluskey, Abhijit Dasgupta MWF 10:00am - 10:50am W 2:00pm - 2:50pm	Seats (Total: 33) CHE 2108 KEB 1135	 Lab
0303	Abhijit Dasgupta, Patrick McCluskey MWF 10:00am - 10:50am W 1:00pm - 1:50pm	Seats (Total: 32) CHE 2108 KEB 1135	 Lab
0401	Timothy Foecke TuTh 9:30am - 10:45am M 3:00pm - 3:50pm	Seats (Total: 35) CHE 2136 KEB 1135	 Lab

ENME392 **Statistical Methods for Product and Processes Development**

ENME392 *(PermReq)* **Statistical Methods for Product and Processes Development; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: MATH241. Integrated statistical methodology for the improvement of products and processes in terms of performance, quality and cost. Designed experimentation. Statistical process control. Software application. Laboratory activities. Delivered via ITV.

0101	Michel Cukier, Bao Yang TuTh 11:00am - 12:15pm	Seats (Total: 120) JMP 3201	

0201	Michel Cukier, Bao Yang TuTh 9:30am - 10:45am	Seats (Total: 120) JMP 3201

ENME408 **Selected Topics in Engineering Design; Automotive Design**

ENME408 *(PermReq)* **Selected Topics in Engineering Design: Automotive Design; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Gregory Schultz MW 5:00pm - 6:15pm	Seats (Total: 39) ITV 1111

ENME414 **Computer-Aided Design**

ENME414 *(PermReq)* **Computer-Aided Design; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: MATH241; or students who have taken courses with similar or comparable course content may contact the department. Introduction to computer graphics. Plotting and drawing with computer software. Principles of writing interactive software. The applications of computer graphics in computer-aided design. Computer-aided design project. Design technical elective.

0101	Guangming Zhang MWF 8:00am - 8:50am	Seats (Total: 42) KEB 2111

ENME423 **Building Cooling Heating and Power Systems**

ENME423 *(PermReq)* **Building Cooling Heating and Power Systems; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ENES232. Corequisite: Concurrently enrolled in ENME332. Restriction: Permission of ENGR-Mechanical Engineering department. Fundamentals and design calculations of heat and moisture transfer in buildings; evaluation of cooling, heating and power requirements of buildings; building energy consumption simulations, use of alternative energy and energy conservation measures in buildings; fundamentals of fans/pumps and air/water distribution in buildings; introduction to refrigeration and energy systems for data centers and other mission-critical facilities. Delivered via ITV.

0101	Michael Ohadi MW 3:30pm - 4:45pm	Seats (Total: 30) EGR 0135

ENME426 **Production Management**

ENME426 *(PermReq)* **Production Management; (3 credits)** Grade Method: REG/P-F/AUD.
Credit only granted for: BMGT385, ENME426, or ENME489J. Formerly: ENME489J.
The basic concepts and models needed to understand and design manufacturing systems, including the history of manufacturing, performance measures, queuing systems, variability, production planning and scheduling, lean manufacturing, and pull production control.

0101	Jeffrey Herrmann MW 2:00pm - 3:15pm	Seats (Total: 42) CHM 1228

ENME430 **Fundamentals of Nuclear Reactor Engineering**

ENME430 *(PermReq)* **Fundamentals of Nuclear Reactor Engineering; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: MATH246. Restriction: Permission of ENGR-Mechanical Engineering department. Credit only granted for: ENME430 or ENME489N. Formerly: ENME489N.
Fundamental aspects of nuclear physics and nuclear engineering, including nuclear interactions; various types of radiation and their effects on materials and humans; and basic reactor physics topics, including simplified theory of reactor critically.

0101	Robert Sanders TuTh 2:00pm - 3:15pm	Seats (Total: 30) JMP 2121
NE01	Robert Sanders Class time/details on ELMs	Seats (Total: 15) ONLINE

ENME454 **Vehicle Dynamics**

ENME454 *(PermReq)* **Vehicle Dynamics; (3 credits)** Grade Method: REG/P-F/AUD.
Corequisite: Concurrently enrolled in ENME361. Restriction: Permission of ENGR-Mechanical Engineering department. Formerly: ENME489V. The fundamentals of passenger vehicle and light truck design and vehicle dynamics are covered. The engineering principles associated with acceleration, braking, handling, ride quality, aerodynamics, and tire mechanics are discussed, as well as suspension and steering design.

0101	Gregory Schultz MW 3:30pm - 4:45pm	Seats (Total: 66) JMP 3201	

ENME462 **Vibrations, Controls, and Optimization II**

ENME462 *(PermReq)* **Vibrations, Controls, and Optimization II; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ENME351 and ENME361. Formerly: ENME362. Continuation of ENME 361. Fundamentals of vibration, controls, and optimization. Analysis and design in time, Laplace and frequency domains. Mathematical descriptions of system response, system stability, control and optimization. Optimal design of mechanical systems. Delivered via ITV.

0101	Jin-Oh Hahn, Nikhil Chopra MW 10:00am - 10:50am W 1:00pm - 2:50pm	Seats (Total: 40) JMP 3201 KEB 2111	 Discussion
0102	Nikhil Chopra, Jin-Oh Hahn MW 10:00am - 10:50am F 1:00pm - 2:50pm	Seats (Total: 40) JMP 3201 KEB 2111	 Discussion
0103	Jin-Oh Hahn, Nikhil Chopra MW 10:00am - 10:50am F 10:00am - 11:50am	Seats (Total: 40) JMP 3201 KEB 2111	 Discussion

ENME466 **Lean Six Sigma**

ENME466 *(PermReq)* **Lean Six Sigma; (3 credits)** Grade Method: REG.
Prerequisite: ENME392, BMGT230, or STAT400; or students who have taken courses with similar or comparable course content may contact the department. Credit only granted for: ENME466 or ENME489B. Formerly: ENME489B. This course intends to provide in-depth understanding of Lean Six Sigma and its Define - Mearsure - Analyze - Improve - Control (DMAIC) Breakthrough Improvement Strategy. The emphasis is placed on the DMAIC process which is reinforced via application of semester long corporate projects and case study analysis.

0101	David Bigio TuTh 3:30pm - 4:45pm	Seats (Total: 40) ITV 1111	

ENME470 **Finite Element Analysis**

ENME470 *(PermReq)* **Finite Element Analysis; (3 credits)** Grade Method: REG/P-F/AUD.
Restriction: Senior standing; and permission of ENGR-Mechanical Engineering department. Basic concepts of the theory of the finite element method. Applications in solid mechanics and heat transfer.

0101	Guangming Zhang MWF 12:00pm - 12:50pm	Seats (Total: 42) KEB 2111	

ENME472 **Integrated Product and Process Development**

ENME472 *(PermReq)* **Integrated Product and Process Development; (3 credits)** Grade Method: REG/P-F/AUD. CORE Capstone (CS) Course.
Prerequisite: ENME371. Integration of product development with the development process. Design strategies. Product architecture. Design for manufacturing. Selection of materials. Design for assembly.

0101	Monifa Vaughn-Cooke, Vincent Nguyen, Gary Pertmer TuTh 11:00am - 11:50am Tu 12:00pm - 1:50pm	Seats (Total: 30) CHE 2110 EGL 0101	 Lab
0102	Vincent Nguyen, Monifa Vaughn-Cooke, Gary Pertmer TuTh 11:00am - 11:50am Th 12:00pm - 1:50pm	Seats (Total: 30) CHE 2110 EGL 0101	 Lab
0103	Vincent Nguyen, Monifa Vaughn-Cooke, Gary Pertmer TuTh 11:00am - 11:50am W 4:00pm - 5:50pm	Seats (Total: 30) CHE 2110 EGL 0101	 Lab
0104	Gary Pertmer, Monifa Vaughn-Cooke, Vincent Nguyen TuTh 11:00am - 11:50am F 1:00pm - 2:50pm	Seats (Total: 30) CHE 2110 EGL 0101	 Lab

ENME473 **Mechanical Design of Electronic Systems**

ENME473 *(PermReq)* **Mechanical Design of Electronic Systems; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: ENME310; and ENME360; and ENME321. Design considerations in the packaging of electronic systems. Production of circuit boards and design of electronic assemblies. Vibration, shock, fatigue and thermal considerations. Delivered via ITV.

0101	Bongtae Han	Seats (Total: 22)
	MW 2:00pm - 3:15pm	PLS 1130

ENME476 **Microelectromechanical Systems (MEMS) I**

ENME476 Mircoelectromechanical Systems (MEMS) I; (3 credits) Grade Method: REG/P-F/AUD.
Restriction: Senior standing. Credit only granted for: ENME476 or ENME489F. Formerly: ENME489F. Fundamentals of microelectromechanical systems (MEMS). Introduction to transducers and markets. MEMS fabrication processes and materials, including bulk micromachining, wet etching, dry etching, surface micromachining, sacrificial layers, film deposition, bonding, and non-traditional micromachining. Introduction to the relevant solid state physics, including crystal lattices, band structure, semiconductors, and doping. The laboratory covers safety, photolithography, profilometry, wet etching.

0101	Elisabeth Smela	Seats (Total: 15)
	TuTh 9:30am - 10:45am	KEB 1200

ENME488 **Special Problems**

ENME488 *(PermReq)* **Special Problems; (3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Limited to mechanical engineering seniors.

Contact department for information to register for this course.

ENME489 **Special Topics in Mechanical Engineering**

ENME489 *(PermReq)* **Special Topics in Mechanical Engineering; (3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENME489C **Special Topics in Mechanical Engineering; Medical Robotics**

ENME489C *(PermReq)* **Special Topics in Mechanical Engineering: Medical Robotics; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Jaydev Desai	Seats (Total: 15)
	MW 11:00am - 12:15pm	EGR 3102

ENME489F **Special Topics in Mechanical Engineering; Dynamics of Atmospheric Flight**
Contact department for information to register for this course.

ENME489G **Special Topics in Mechanical Engineering; Manufacturing Processes and Design**

ENME489G *(PermReq)* **Special Topics in Mechanical Engineering: Manufacturing Processes and Design; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: Permission of department.

0101	George Dieter	Seats (Total: 30)
	TuTh 2:00pm - 3:15pm	EGR 2154

ENME489J **Special Topics in Mechanical Engineering; Fatigue Life Prediction**
Contact department for information to register for this course.

ENME489M **Special Topics in Mechanical Engineering; Ultra-low Energy Use Appliance Design I**

ENME489M *(PermReq)* **Special Topics in Mechanical Engineering: Ultra-low Energy Use Appliance Design I; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ENES232 and ENME332; and permission of department.

0101	Yunho Hwang	Seats (Total: 10)
	TuTh 2:00pm - 3:15pm	EGR 3102

ENME489R **Special Topics in Mechanical Engineering; Fiber Optics**

ENME489R *(PermReq)* **Special Topics in Mechanical Engineering: Fiber Optics; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Miao Yu	Seats (Total: 25)
	TuTh 3:30pm - 4:45pm	EGR 2154

ENME489V **Special Topics in Mechanical Engineering; Mechanical Contracting**

ENME489V *(PermReq)* **Special Topics in Mechanical Engineering: Mechanical Contracting; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Arnold Woodall	Seats (Total: 36)
	Th 8:00am - 10:40am	EGR 0108

ENME489X **Special Topics in Mechanical Engineering; Energy Conversion Systems for Sustainability**

ENME489X *(PermReq)* **Special Topics in Mechanical Engineering: Energy Conversion Systems for Sustainability; (3 credits)** Grade Method: REG/P-F/AUD. Prerequisite: ENES232.

0101	Ashwani Gupta	Seats (Total: 49)
	Th 4:00pm - 6:40pm	JMP 2121

ENME489Y **Special Topics in Mechanical Engineering; Deformable Bodies**

ENME489Y *(PermReq)* **Special Topics in Mechanical Engineering: Deformable Bodies; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Hugh Bruck	Seats (Total: 25)
	MW 11:00am - 12:15pm	EGR 1108

ENME600 **Engineering Design Methods**

ENME600 Engineering Design Methods; (3 credits) Grade Method: REG/AUD. *Prerequisite: Graduate Standing or permission of instructor. 3 semester hours. Not open to students who have completed ENME 808F during Spring 1999 semester or the Fall 1996 semester..* An introductory graduate level course in critical thinking about formal methods for design in Mechanical Engineering. Course participants gain background on these methods and the creative potential each offers to designers. Participants will formulate, present, and discuss their own opinions on the value and appropriate use of design materials for mechanical engineering.

0101	Linda Schmidt	Seats (Total: 20)
	W 12:30pm - 3:10pm	JMP 2217

ER01	Linda Schmidt W 12:30pm - 3:10pm	Seats (Total: 10) Location: TBA
RE01	Linda Schmidt W 12:30pm - 3:10pm	Seats (Total: 5) Location: TBA
SG01	Linda Schmidt W 12:30pm - 3:10pm	Seats (Total: 5) Location: TBA
SM01	Linda Schmidt W 12:30pm - 3:10pm	Seats (Total: 5) Location: TBA

ENME610 **Engineering Optimization**

ENME610 Engineering Optimization; (3 credits) Grade Method: REG/AUD.
Prerequisite: Graduate Standing or permission of instructor. 3 semester hours.
Overview of applied single- and multi- objective optimization and decision making concepts and techniques with applications in engineering design and/or manufacturing problems. Topics include formulation examples, concepts, optimality conditions, unconstrained/constrained methods, and post-optimality sensitivity analysis. Students are expected to work on a semester-long real-world multi-objective engineering project. Also offered as ENRE648F. Credit will be granted for one of the followi following:ENME610 or ENRE648F.

0101	Shapour Azarm Tu 4:00pm - 6:40pm	Seats (Total: 25) EGR 1104

ENME611 **Fiber Optics**

ENME611 Fiber Optics; (3 credits) Grade Method: REG/AUD.
Credit only granted for: ENME611,ENME808 or ENME489R. Formerly: ENME808R.
Introduces students to fiber optics, provides a background including fiber optic components and terminology, and equip students with ability to understand and evaluate various kinds of fiber optic sensors for a wide range of applications along with a detailed understanding of relevant signal processing and analysis techniques.

0101	Miao Yu TuTh 3:30pm - 4:45pm	Seats (Total: 10) EGR 2154

ENME631 **Advanced Conduction and Radiation Heat Transfer**

ENME631 Advanced Conduction and Radiation Heat Transfer; (3 credits) Grade Method: REG/AUD.
Prerequisite: ENME332; or students who have taken courses with similar or comparable course content may contact the department; or permission of instructor. Theory of conduction and radiation. Diffused and directional, poly- and mono-chromatic sources. Quantitative optics. Radiation in enclosures. Participating media. Integrodifferential equations. Multidimensional, transient and steady-state conduction. Phase change. Coordinate system transformations.

0101	Bao Yang	Seats (Total: 25)
	MW 3:30pm - 4:45pm	CHE 2145

ENME633 **Molecular Thermodynamics**

ENME633 Molecular Thermodynamics; (3 credits) Grade Method: REG/AUD.
Restriction: Permission of ENGR-Mechanical Engineering department. An examination of the interactions between molecules, which govern thermodynamics relevant to engineering, will be conducted. We will investigate both classical and statistical approaches to thermodynamics for understanding topics such as phase change, wetting of surfaces, chemical reactions, adsorption, and electrochemical processes. Statistical approaches and molecular simulation tools will be studied to understand how molecular analysis can be translated to macroscopic phenomena.

0101	Greg Jackson	Seats (Total: 25)
	MW 5:00pm - 6:15pm	CHE 2145

ENME640 **Fundamentals of Fluid Mechanics**

ENME640 Fundamentals of Fluid Mechanics; (3 credits) Grade Method: REG/AUD.
Prerequisite: Must have completed partial differential equations at the level of MATH 462; or permission of ENGR-Mechanical Engineering department. Formerly: ENME651. Equations governing the conservation of mass, momentum, vorticity and energy in fluid flows. Low Reynolds number flows. Boundary layers. The equations are illustrated by analyzing a number of simple flows. Emphasis is placed on physical understanding to facilitate the study of advanced topics in fluid mechanics.

0101	Peter Bernard MW 2:00pm - 3:15pm	Seats (Total: 30) JMP 1202

ENME656 **Physics of Turbulent Flow**

ENME656 Physics of Turbulent Flow; (3 credits) Grade Method: REG/AUD. *Prerequisite: ENME640; or students who have taken courses with similar or comparable course content may contact the department; or permission of instructor.* Definition of turbulence and its physical manifestations. Statistical methods and the transport equations for turbulence quantities. Laboratory measurement and computer simulation methods. Isotropic turbulence. Physics of turbulent shear flows.

0101	Peter Bernard MW 11:00am - 12:15pm	Seats (Total: 20) CHE 2145

ENME662 **Linear Vibrations**

ENME662 Linear Vibrations; (3 credits) Grade Method: REG/AUD. *Prerequisite: ENME 360 or equivalent or permission of instructor.* Development of equations governing small oscillations and spatially continuous systems. Newton's equations, Hamilton's principle, and Lagrange's equations. Free and forced vibrations of mechanical systems. Modal analysis. Finite element discretization and reductions of continuous systems. Numerical methods. Random vibrations.

HT01	James Hubbard MW 3:30pm - 4:45pm	Seats (Total: 3) Location: TBA
SG01	James Hubbard MW 3:30pm - 4:45pm	Seats (Total: 1) Location: TBA
SM01	James Hubbard MW 3:30pm - 4:45pm	Seats (Total: 5) Location: TBA
TV01	James Hubbard MW 3:30pm - 4:45pm	Seats (Total: 10) JMP 2222

ENME670 **Continuum Mechanics**

ENME670 Continuum Mechanics; (3 credits) Grade Method: REG/AUD.
Mechanics of deformable bodies, finite deformation and strain measures, kinematics of continua and global and local balance laws. Thermodynamics of continua, first and second laws. Introduction to constitutive theory for elastic solids, viscous fluids and memory dependent materials. Examples of exact solutions for linear and hyper elastic solids and Stokesian fluids.

0101	Teng Li	Seats (Total: 35)
	TuTh 3:30pm - 4:45pm	EGR 0108

ENME690 **Mechanical Fundamentals of Electronic Systems**

ENME690 Mechanical Fundamentals of Electronic Systems; (3 credits) Grade Method: REG/AUD.
An understanding of the fundamental mechanical principles used in design of electronic devices and their integration into electronic systems will be provided. Focus will be placed on the effect of materials compatibility, thermal stress, mechanical stress, and environmental exposure on product performance, durability and cost. Both electronic devices and package assemblies will be considered. Analysis of package assemblies to understand thermal and mechanical stress effects will be emphasized through student projects.

0101	Bongtae Han	Seats (Total: 33)
	MW 2:00pm - 3:15pm	PLS 1130

ENME701 **Sustainable Energy Conversion and the Environment**

ENME701 Sustainable Energy Conversion and the Environment; (3 credits) Grade Method: REG/AUD.
Recommended: ENME633. Credit only granted for: ENME701, ENME706 or ENME808D. Formerly: ENME706 and ENME808D. Discussion of the major sources and end-uses of energy in our society with particular emphasis on renewable energy production and utilization. Introduces a range innovative technologies and discusses them in the context of the current energy infrastructure. Renewable sources such as wind and solar are discussed in detail. Particular attention is paid to the environmental impact of the various forms of energy.

0101	K Radermacher	Seats (Total: 25)
	TuTh 3:30pm - 4:45pm	BPS 1238

ENME711 **Vibration Damping**

ENME711 Vibration Damping; (3 credits) Grade Method: REG/AUD.
Prerequisite: ENME662; or students who have taken courses with similar or comparable course content may contact the department. Recommended: Completion of coursework or background in Vibrations recommended. Restriction: Must be in a major in ENGR-A. James Clark School of Engineering. This course aims at introducing the different damping models that describe the behavior of viscoelastic materials. Emphasis will be placedon m odeling the dynamics of simple structures (beams, plates & shells) with Passive Constrained Layer Damping (PCLD). Considerations will also be g iven to other types of surface treatments such as Magnetic Constrained Layer Damping (MCLD), Shunted Network Constrained Layer Damping (SNCLD),Active Constrained Layer Damping (ACLD) and Electrorheological Constrained Layer Damping (ECLD). Energy dissipation characteristics of the damp ing treatments will be presented analytically & by using the modal strain energy approach as applied to finite element models of vibrating structures.

0101	Amr Baz	Seats (Total: 25)
	TuTh 5:00pm - 6:15pm	EGR 3114

ENME799 **Master's Thesis Research**

ENME799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG.
Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENME808 **Advanced Topics in Mechanical Engineering**
Contact department for information to register for this course.

ENME808A **Advanced Topics in Mechanical Engineering; Prognostics and Health Management**

ENME808A Advanced Topics in Mechanical Engineering: Prognostics and Health Management; (3 credits) Grade Method: REG/AUD.
Also offered as ENRE648J. Credit will only be granted for one of the following: ENME808A or ENRE648J.

0101	Michael Pecht, Chaochao Chen	Seats (Total: 25)
	M 10:00am - 12:40pm	JMP 2217

ER01	Michael Pecht Class time/details on ELMs	Seats (Total: 10) ONLINE
RE01	Michael Pecht Class time/details on ELMs	Seats (Total: 15) ONLINE
SM01	Michael Pecht Contact instructor or department for details.	Seats (Total: 5)

ENME808K **Advanced Topics in Mechanical Engineering; MEMS I**

ENME808K Advanced Topics in Mechanical Engineering: MEMS I; (3 credits) Grade Method: REG/AUD.

0101	Elisabeth Smela TuTh 9:30am - 10:45am	Seats (Total: 10) KEB 1200

ENME808M **Advanced Topics in Mechanical Engineering; Medical Robotics**

ENME808M Advanced Topics in Mechanical Engineering: Medical Robotics; (3 credits) Grade Method: REG/AUD.

0101	Jaydev Desai MW 11:00am - 12:15pm	Seats (Total: 10) EGR 3102

ENME808P **Advanced Topics in Mechanical Engineering; Ultra-low Energy Use Appliance Design I**

ENME808P Advanced Topics in Mechanical Engineering: Ultra-low Energy Use Appliance Design I; (3 credits) Grade Method: REG/AUD.

0101	Yunho Hwang TuTh 2:00pm - 3:15pm	Seats (Total: 10) EGR 3102

ENME808Q **Advanced Topics in Mechanical Engineering; Professional Preparation and Program Management**

ENME808Q Advanced Topics in Mechanical Engineering: Professional Preparation and Program Management; (3 credits) Grade Method: REG/AUD.

0101	David Bigio	Seats (Total: 20)
	Tu 6:00pm - 8:30pm	EGR 3102

ENME808Y **Advanced Topics in Mechanical Engineering; Deformable Bodies**

ENME808Y Advanced Topics in Mechanical Engineering: Deformable Bodies; (3 credits) Grade Method: REG/AUD.

0101	Hugh Bruck	Seats (Total: 15)
	MW 11:00am - 12:15pm	EGR 1108

ENME898 **Pre-Candidacy Research**

ENME898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENME899 **Doctoral Dissertation Research**

ENME899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENNU Engineering, Nuclear Fall 2012

ENNU648A **Special Problems in Nuclear Engineering; Reactor Operations**

ENNU648A Special Problems in Nuclear Engineering: Reactor Operations; (3 credits) Grade Method: REG/AUD.

0101	Mohamad Al-Sheikhly	Seats (Total: 20)
	W 9:00am - 11:30am	EGR 1110

ENNU648B **Special Problems in Nuclear Engineering; Nuclear Fuel Cycle Safety**

ENNU648B Special Problems in Nuclear Engineering: Nuclear Fuel Cycle Safety; (3 credits) Grade Method: REG/AUD.

NE01	Robert Sanders	Seats (Total: 20)
	Class time/details on ELMs	ONLINE

ENNU648F **Special Problems in Nuclear Engineering; Nuclear Systems and Severe Accidents**

ENNU648F Special Problems in Nuclear Engineering: Nuclear Systems and Severe Accidents; (3 credits) Grade Method: REG/AUD.

NE01	Mahmoud Massoud	Seats (Total: 20)
	Class time/details on ELMs	ONLINE

ENNU655 **Radiation Engineering**

ENNU655 Radiation Engineering; (3 credits) Grade Method: REG/AUD. *Restriction: Permission of instructor; and permission of ENGR-Materials Science & Engineering department.* An analysis of such radiation applications as synthesizing chemicals, preserving foods, control of industrial processes, design of irradiation installations. E.G., Cobalt 60 gamma ray sources, electronuclear machine arrangement, and chemonuclear reactors.

NE01	Mohamad Al-Sheikhly	Seats (Total: 10)
	Class time/details on ELMs	ONLINE

ENNU799 **Master's Thesis Research**

ENNU799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENNU898 **Pre-Candidacy Research**

ENNU898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENNU899 **Doctoral Dissertation Research**

ENNU899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENPM Engineering, Professional Masters Fall 2012

ENPM600 **Probability and Stochastic Processes for Engineers**

ENPM600 Probability and Stochastic Processes for Engineers; (3 credits) Grade Method: REG/AUD.
Prerequisite: Undergraduate introduction to discrete and continuous probability.
Axioms of probability; conditional probability and Bayes' rule; random variables, probability distributions and densities; functions of random variables; definition of stochastic process; stationary processes, correlation functions, and power spectral densities; stochastic processes and linear systems; estimation and optimum filtering. Applications in communication and control systems, signal processing, and detection and estimation.

0101	C Ravishankar M 7:00pm - 9:40pm	Seats (Total: 17) JMP 2120
HT01	C Ravishankar M 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SG01	C Ravishankar M 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SM01	C Ravishankar M 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA

ENPM607 **Computer System Design and Architecture**

ENPM607 Computer System Design and Architecture; (3 credits) Grade Method: REG/AUD.
Prerequisite: ENEE446; or students who have taken courses with similar or comparable course content may contact the department. Principles of computer design and cost/performance factors; instruction set design and implementation, RISC vs. CISC instruction sets; control unit and pipeline design; floating-point arithmetic; memory hierarchy designs, caches, memory interleaving, virtual memory; I/O device interconnections to CPUs and main memory. Additional topics include parallel system designs, SIMD, MIMD, SPMD; interconnection networks for processors and memories; optimization of pipeline operations; superscalar architectures, power management techniques.

0101	Charles Silio W 7:00pm - 9:40pm	Seats (Total: 25) JMP 3201
HT01	Charles Silio W 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SG01	Charles Silio W 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SM01	Charles Silio W 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA

ENPM611 **Software Engineering**

ENPM611 Software Engineering; (3 credits) Grade Method: REG/AUD.
Prerequisite: Competency in one programming language. Credit only granted for: ENPM611 or ENPM808G. Formerly: ENPM808G. Software engineering concepts, methods, and practices important to both the theorist and the practitioner will be covered. The entire range of responsibilities expected of a software engineer are presented. The fundamental areas of requirements development, software design, programming languages, and testing are covered extensively. Sessions on supporting areas such as systems engineering, project management, and software estimation are also included.

0101	Christopher Ackermann Tu 7:00pm - 9:40pm	Seats (Total: 25) JMP 2222

HT01	Christopher Ackermann Tu 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SG01	Christopher Ackermann Tu 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SM01	Christopher Ackermann Tu 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA

ENPM613 **Software Design & Implementation**

ENPM613 Software Design & Implementation; (3 credits) Grade Method: REG/AUD.
Prerequisite: Must have completed an undergraduate software course; and Must have knowledge of C or C++ Programming. Credit only granted for: ENPM608 or ENPM613. Formerly: ENPM608. Software design concepts and practices within the field important to both the practitioner and the theorist will be covered. Architectural and detailed designs are included for batch, client/server, and real-time systems. Design considerations for structured, object-oriented, and Web-based systems are covered. Design of databases, user interfaces, forms, and reports are also included. Implementation issues that affect the design, including error handling, performance, and inter-process communication, are presented.

0101	Arnab Ray Th 7:00pm - 9:40pm	Seats (Total: 25) JMP 2216
HT01	Arnab Ray Th 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SG01	Arnab Ray Th 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SM01	Arnab Ray Th 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA

ENPM620 **Computer Aided Engineering Analysis**

ENPM620 *(PermReq)* **Computer Aided Engineering Analysis; (3 credits)** Grade Method: REG/AUD.
Prerequisite: Permission of ENGR-CDL-Office of Advanced Engineering Education. Computer assisted approach to the solution of engineering problems. Review and extension of undergraduate material in applied mathematics including linear algebra, vector calculus, differential equations, and probability and statistics. A laptop or Tablet PC is required for in-class use.

0101	Chandrasekhar Thamire M 7:00pm - 9:40pm	Seats (Total: 25) JMP 2217
HT01	Chandrasekhar Thamire M 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
ME01	Chandrasekhar Thamire Class time/details on ELMs	Seats (Total: 10) ONLINE
SG01	Chandrasekhar Thamire M 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SM01	Chandrasekhar Thamire M 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA

ENPM622 **Energy Conversion I - Stationary Power**

ENPM622 Engergy Conversion I - Stationary Power; (3 credits) Grade Method: REG/AUD.
Prerequisite: undergraduate thermodynamics and heat transfer. Thermal engineering of modern power generation systems. Cycle analysis of various modern power generation technologies including gas turbine, combined cycle, waste burning and cogeneration. Energy storage and energy transport.

0101	Eugene Keating W 7:00pm - 9:40pm	Seats (Total: 25) JMP 2216
HT01	Eugene Keating W 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
ME01	Eugene Keating Class time/details on ELMs	Seats (Total: 20) ONLINE

SG01	Eugene Keating W 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SM01	Eugene Keating W 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA

ENPM624 **Renewable Energy Applications**

ENPM624 Renewable Energy Applications; (3 credits) Grade Method: REG/AUD. *Prerequisite: Permission of ENGR-CDL-Office of Advanced Engineering Education.* Thermodynamics and heat transfer of renewable energy sources for heating, power generation and transportation. Wind energy, solar thermal, photovoltaic, biomass, waste burning, and hydropower. Broad overview of the growing use of renewable energy sources in the world economy with detailed analysis of specific applications.

0101	Zachary Dunbar Tu 7:00pm - 9:40pm	Seats (Total: 25) JMP 2121
HT01	Zachary Dunbar Tu 7:00pm - 9:40pm	Seats (Total: 2) Location: TBA
ME01	Zachary Dunbar Class time/details on ELMs	Seats (Total: 20) ONLINE
SG01	Zachary Dunbar Tu 7:00pm - 9:40pm	Seats (Total: 2) Location: TBA
SM01	Zachary Dunbar Tu 7:00pm - 9:40pm	Seats (Total: 2) Location: TBA

ENPM625 **Heating, Ventilation and Air Conditioning of Buildings**

ENPM625 Heating, Ventilation and Air Conditioning of Buildings; (3 credits) Grade Method: REG/AUD.
Prerequisite: ENME 321 or equivalent. Low pressure side of buildings heating and cooling systems. Thermodynamics, heat transfer and digital control principles applied to field problems. Quantitative analyses stressed. Topics include psychometrics, thermal loads, incompressible flow in ducts and pipes, heat exchangers, cooling towers, PID control systems.

0101	Karim Amrane Th 7:00pm - 9:40pm	Seats (Total: 25) JMP 2222
HT01	Karim Amrane Th 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
ME01	Karim Amrane Class time/details on ELMs	Seats (Total: 10) ONLINE
SG01	Karim Amrane Th 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SM01	Karim Amrane Th 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA

ENPM627 **Environmental Risk Analysis**

ENPM627 Environmental Risk Analysis; (3 credits) Grade Method: REG/AUD. The fundamental methodology for analyzing environmental risk is described with examples for selected applications. Key elements of the environmental risk methodology include: (1) source term and release characterization, (2) migration of contaminants in various media, (3) exposure assessment, (4) dose-response evaluation, (5) risk characterization, and (6) risk management. Also included will be an introduction to uncertainty analysis and environmental laws and regulations. It is intended to provide students with the basic skills and knowledge needed to manage, evaluate, or perform environmental risk assessments and risk analyses.

0101	Norman Eisenberg W 7:00pm - 9:40pm	Seats (Total: 17) JMP 2120
HT01	Norman Eisenberg W 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
ME01	Norman Eisenberg Class time/details on ELMs	Seats (Total: 25) ONLINE
SG01	Norman Eisenberg W 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA

SM01	Norman Eisenberg W 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA

ENPM641 **Systems Concepts, Issues, and Processes**

ENPM641 *(PermReq)* **Systems Concepts, Issues, and Processes; (3 credits)**
Grade Method: REG/AUD.
Prerequisite: Permission of ENGR-CDL-Office of Advanced Engineering Education. Also offered as: ENSE621. Credit only granted for: ENPM641 or ENSE621. An introduction to the professional and academic aspects of systems engineering. Topics include: systems engineering activities, opportunities and drivers; case studies of systems failures; models of system lifecycle development; introduction to model-based systems engineering; representations for system structure, system behavior, system interfaces and systems intergration; reactive (even-driven) systems, systems-of-systems, measures of system complexity; visual modeling of engineering systems with UML and SysML; simplified procedures for engineering optimization and tradeoff analysis. Software tools for visual modeling of systems with UML and SysML. Students will complete a project for the front-end development of an engineering system using ULM/SysML.

0101	Stephen Sutton, Eddie Tseng M 7:00pm - 9:40pm	Seats (Total: 41) JMP 2222
HT01	Eddie Tseng, Stephen Sutton M 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SG01	Stephen Sutton, Eddie Tseng M 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SM01	Eddie Tseng, Stephen Sutton M 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA

ENPM643 **Systems Projects, Validation and Verification**

ENPM643 *(PermReq)* **Systems Projects, Validation and Verification; (3 credits)**
Grade Method: REG/AUD.
Prerequisite: ENSE622 or ENPM642; and permission of ENGR-CDL-Office of Advanced Engineering Education. Also offered as: ENSE623. Credit only granted for: ENPM642 or ENSE623. This course builds on material covered in ENSE621/ENPM641 and ENSE622/ENPM642. Topics wil cover established and emerging approaches to system validation and verification including; inspection, testing, and traceability; writing validation and verification plans; formal approaches to sytem validation and verification; specification-based testing; role of logic in system validation and verification; automation models of computation, timed automation; model-based design and model checking for reactive systems. Students will be introduced to software tools for specification-based testing, model-based testing, model-based design and model checking. Students will work in teams on semester-long projects in systems engineering design and formal approaches to system validation and verification.

0101	Mark Austin Tu 7:00pm - 9:40pm	Seats (Total: 25) JMP 2216
HT01	Mark Austin Tu 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SG01	Mark Austin Tu 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SM01	Mark Austin Tu 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA

ENPM646 **System Life Cycle Cost Analysis and Risk Management**

ENPM646 *(PermReq)* **System Life Cycle Cost Analysis and Risk Management; (3 credits)** Grade Method: REG/AUD.
Prerequisite: Permission of ENGR-CDL-Office of Advanced Engineering Education. Also offered as: ENSE626. Credit only granted for: ENPM646 or ENSE626. This course covers topics related to estimating the costs and risks incurred through the lifetimes of projects, products and systems. In addition, treatment is given to methods that determine the drivers of costs and risks and facilitate determination of the most effective alternatives to reducing them. Relevant analytic tools from probability and statistics and important managerial and organizational concepts. Extensive use is made of case studies from industry andgovernment. Also offered as ENSE626.

0101	Nidak Sumrean W 7:00pm - 9:40pm	Seats (Total: 25) JMP 2222
HT01	Nidak Sumrean W 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SG01	Nidak Sumrean W 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SM01	Nidak Sumrean W 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA

ENPM672 **Fundamentals for Thermal Systems**

ENPM672 Fundamentals for Thermal Systems; (3 credits) Grade Method: REG/AUD.
Prerequisite: Undergraduate engineering, physics or chemistry degree. Credit only granted for: ENPM672 or ENPM808J. Formerly: ENPM808J. Included in this course is an introduction to thermodynamics, fluid mechanics and heat transfer. Emphasis is on gaining an understanding of the physical concepts through the solving of numerical problems associated with simple thermal fluid processes and cycles. Both ideal gases and multiphase fluids will be considered as the working fluids.

ME01	David Didion Class time/details on ELMs	Seats (Total: 25) ONLINE

ENPM681 **Shockwave Physics I**

ENPM681 Shockwave Physics I; (3 credits) Grade Method: REG/AUD.
Credit only granted for: ENPM681 or ENPM8008V. Formerly: ENPM808V. Covers the history of Shock Wave Physics becoming a scientific discipline, conservation equations for one-dimensional plane steady shocks, Eulerian coordinate system, wave stability conditions, impedance matching technique for design and analysis of experiments, select group of experimental techniques, experimental error analysis, thermodynamics of shock waves including use of consistent equations of state, derivation of plane one dimensional differential conservation laws, and uniqueness of steady wave profiles.

PE01	Jerry Forbes Class time/details on ELMs	Seats (Total: 30) ONLINE

ENPM693 **Network Security**

ENPM693 Network Security; (3 credits) Grade Method: REG/AUD.
Prerequisite: An operating systems and/or network protocol course or equivalent. Formerly: ENPM808N. Introduction to various approaches to design; specify and verify security protocols used in large systems and networks; familiarization with some current technologies. Security threats and countermeasures, communication security and basic encryption techniques, authentication protocols, data confidentiality and integrity, analysis of cryptographic protocols, and access control in large systems and networks.

0101	Seyed Bahari Th 7:00pm - 9:40pm	Seats (Total: 25) JMP 2121
HT01	Seyed Bahari Th 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SG01	Seyed Bahari Th 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SM01	Seyed Bahari Th 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA

ENPM808 **Advanced Topics in Engineering**

ENPM808 *(PermReq)* **Advanced Topics in Engineering; (1-3 credits)** Grade Method: REG/AUD.

0101	George Syrmos Contact instructor or department for details.	Seats (Total: 10)

ENPM808A **Advanced Topics in Engineering; Networks and Protocols**

ENPM808A Advanced Topics in Engineering: Networks and Protocols; (3 credits) Grade Method: REG/AUD.

0101	Sophia Scoggins W 7:00pm - 9:40pm	Seats (Total: 25) JMP 2121
HT01	Sophia Scoggins W 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SG01	Sophia Scoggins W 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SM01	Sophia Scoggins W 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA

ENPM808F **Advanced Topics in Engineering; TCP/IP Networking**

ENPM808F Advanced Topics in Engineering: TCP/IP Networking; (3 credits) Grade Method: REG/AUD.

0101	Pedram Fard Tu 7:00pm - 9:40pm	Seats (Total: 17) JMP 2120
HT01	Pedram Fard Tu 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SG01	Pedram Fard Tu 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SM01	Pedram Fard Tu 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA

ENPM808G **Advanced Topics in Engineering; Fundamentals of Solid-Propellant Combustion**

ENPM808G Advanced Topics in Engineering: Fundamentals of Solid-Propellant Combustion; (3 credits) Grade Method: REG/AUD.

PE01	Gregory Young Class time/details on ELMs	Seats (Total: 25) ONLINE

ENPM808M **Advanced Topics in Engineering; Programming in C for Cybersecurity Applications**

ENPM808M Advanced Topics in Engineering: Programming in C for Cybersecurity Applications; (3 credits) Grade Method: REG/AUD.

0101	Dharmalingam Ganesan M 7:00pm - 9:40pm	Seats (Total: 20) JMP 2216
HT01	Dharmalingam Ganesan M 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SG01	Dharmalingam Ganesan M 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SM01	Dharmalingam Ganesan M 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA

ENPM808O **Advanced Topics in Engineering; Design for Sustainability**

ENPM808O Advanced Topics in Engineering: Design for Sustainability; (3 credits) Grade Method: REG/AUD.

0101	Senthil Arul Th 6:00pm - 8:40pm	Seats (Total: 17) JMP 2120
ME01	Senthil Arul Class time/details on ELMs	Seats (Total: 15) ONLINE

ENPM808R **Advanced Topics in Engineering; Design and Synthesis of Digital Systems**

ENPM808R Advanced Topics in Engineering: Design and Synthesis of Digital Systems; (3 credits) Grade Method: REG/AUD.

0101	Jeff Casarona M 7:00pm - 9:40pm	Seats (Total: 25) JMP 3201
HT01	Jeff Casarona M 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SG01	Jeff Casarona M 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SM01	Jeff Casarona M 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA

ENPP Engineering and Public Policy Fall 2012

ENPP610 **MEPP Capstone**

ENPP610 MEPP Capstone; (3 credits) Grade Method: REG/AUD.
Prerequisite: Permission of ENGR-A. James Clark School of Engineering; and completed or be concurrently enrolled in ENCE611. MEPP Students, in the last year of their program, will learn case study methods of analysis as they relate to issues of engineering and public policy, through case studies on pressing issues in areas such as environment, national security, biotechnology, energy, infrastructure, development and manufacturing. The course will begin by review of case study methods and analysis. This will be followed by addressing case studies selected by the instructor.

0101	Barry Koh Th 3:30pm - 6:30pm	Seats (Total: 15) EGR 3111

ENPP611 **MEPP Scholarly Practicum**

ENPP611 MEPP Scholarly Practicum; (3 credits) Grade Method: REG/AUD.
Restriction: Must have Practicum Proposal approved by MEPP. The scholarly practicum internship for MEPP students is intended to educate students in how engineering and public policy is practised in their MEPP specialization. The internship must last a minimum of 400 hours, and must be completed by the submission and approval of progress and completion reports. By undertaking the internship midway through the student's MEPP studies, the student can make use of MEPP studies completed, and use the experience in selection of subsequent MEPP course to maximize the educational opportunities of the MEPP program.

0101	Steven Gabriel Contact instructor or department for details.	Seats (Total: 8)

ENRE Reliability Engineering Fall 2012

ENRE489 **Special Topics in Reliability Engineering**

ENRE489 *(PermReq)* **Special Topics in Reliability Engineering; (3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENRE600 **Fundamentals of Failure Mechanisms**

ENRE600 Fundamentals of Failure Mechanisms; (3 credits) Grade Method: REG/AUD.
Credit only granted for: ENMA698M, ENNU648M, or ENRE600. Physical, chemical, and thermal related failures are introduced through a basic understanding of degradation mechanisms such as diffusion, electromigration, defects and defect migration. The failure mechanisms in basic material types will be taught. Failure mechanisms observed in real devices will also be presented. Problems related to manufacturing, and achieving quality and reliability will be analyzed. Mechanical failures are emphasized from the point of view of complex fatigue theory. The mathematical and statistical basis for analysis is presented as well as Failure Mode and Failure Anaylsis. Those sections that begin with a letter are taught via ITV and are not i ntended for College Park campus students.

0101	Aristos Christou M 1:00pm - 3:40pm	Seats (Total: 40) JMP 2217
ER01	Aristos Christou Class time/details on ELMs	Seats (Total: 20) ONLINE
RE01	Aristos Christou Contact instructor or department for details.	Seats (Total: 10)
SM01	Aristos Christou Contact instructor or department for details.	Seats (Total: 5)

ENRE602 **Reliability Analysis**

ENRE602 Reliability Analysis; (3 credits) Grade Method: REG/AUD. *Prerequisite: ENRE620.* Principal methods of reliability analysis, including fault tree and reliability block diagrams; Failure Mode and Effects Analysis (FMEA); event tree construction and evaluation; reliability data collection and analysis; methods of modeling systems for reliability analysis. Focus on problems related to process industries, fossil-fueled power plant availability, and other systems of concern to engineers. Those sections that begin with a letter are taught via ITV and are not i ntended for College Park campus students.

0101	Reza Kazemi-Tabriz Th 3:00pm - 5:40pm	Seats (Total: 20) JMP 2222
ER01	Reza Kazemi-Tabriz Class time/details on ELMs	Seats (Total: 20) ONLINE
HT01	Reza Kazemi-Tabriz Th 3:00pm - 5:40pm	Seats (Total: 5) Location: TBA
RE01	Reza Kazemi-Tabriz Th 3:00pm - 5:40pm	Seats (Total: 10) Location: TBA
SG01	Reza Kazemi-Tabriz Th 3:00pm - 5:40pm	Seats (Total: 5) Location: TBA
SM01	Reza Kazemi-Tabriz Th 3:00pm - 5:40pm	Seats (Total: 5) Location: TBA

ENRE642 **Reliability Engineering Management**
Contact department for information to register for this course.

ENRE648 **Special Problems in Reliability Engineering**

ENRE648 *(PermReq)* **Special Problems in Reliability Engineering; (1-6 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENRE648J **Special Problems in Reliability Engineering; Prognostics and Health Management**

ENRE648J Special Problems in Reliability Engineering: Prognostics and Health Management; (3 credits) Grade Method: REG/AUD.
Also offered as ENME808A. Credit will only be granted for one of the following: ENME808A or ENRE648J.

0101	Michael Pecht, Chaochao Chen M 10:00am - 12:40pm	Seats (Total: 25) JMP 2217
ER01	Michael Pecht Class time/details on ELMs	Seats (Total: 10) ONLINE
RE01	Michael Pecht Class time/details on ELMs	Seats (Total: 15) ONLINE
SM01	Michael Pecht Contact instructor or department for details.	Seats (Total: 5)

ENRE655 **Advanced Methods in Reliability Modeling**
Contact department for information to register for this course.

ENRE670 **Probabilistic Risk Assessment**

ENRE670 Probabilistic Risk Assessment; (3 credits) Grade Method: REG/AUD.
Prerequisite: ENRE602. Also offered as: ENNU651. Credit only granted for: ENNU651 or ENRE670. Why study risk, sources of risk, overview of Risk Assessment and Risk Management, relation to System Safety and Reliability Engineering; measures, representation, communication, and perception of risk; overview of use of risk assessment results in decision making; overview of Probabilistic Risk Assessment (PRA) process; detailed converge of PRA methods including (1) methods for risk scenario development such as identification of initiators, event sequence diagrams, event trees, causal modeling (fault trees, influence diagrams, and hybrid methods), and simulation approaches; (2) methods of risk scenario likelihood assessment, including quantitative and qualitative approaches, as well as uncertainty modeling and analysis. Also covers methods for risk modeling of system hardware behavior, physical phenomena, human behavior, software behavior, organizational environment, and external physical environment. Additional core topics include risk model integration and quantification (Boolean-based, binary decsion diagram, Bayesian belief networks, and hybrid methods), simulation-based Dynamic PRA methods (discrete and continuous) and several examples of large scale PRAs for space missions, nuclear power, aviation and medical systems.

0101	Ali Mosleh M 10:00am - 12:40pm	Seats (Total: 20) JMP 2216
ER01	Ali Mosleh Class time/details on ELMs	Seats (Total: 10) ONLINE
RE01	Ali Mosleh Class time/details on ELMs	Seats (Total: 10) ONLINE

ENRE799 **Master's Thesis Research**

ENRE799 Master's Thesis Research; (1-6 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENRE898 **Pre-Candidacy Research**

ENRE898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENRE899 **Doctoral Dissertation Research**

ENRE899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENSE Systems Engineering Fall 2012

ENSE621 **Systems Concepts, Issues, and Processes**

ENSE621 *(PermReq)* **Systems Concepts, Issues, and Processes; (3 credits)**
Grade Method: REG/AUD.
Restriction: Permission of ENGR-Institute for Systems Research. Also offered as: ENPM641. Credit only granted for: ENPM641 or ENSE621. An introduction to the professional and academic aspects of systems engineering. Topics include: systems engineering activities, opportunities and drivers; case studies of systems failures; models of system lifecycle development; introduction to model-based systems engineering; representations for system structure, system behavior, system interfaces and systems intergration; reactive (even-driven) systems, systems-of-systems, measures of system complexity; visual modeling of engineering systems with UML and SySML; simplified procedures for engineering optimization and tradeoff analysis. Software tools for visual modeling of systems with UML and SySML. Students will complete a project for the front-end development of an engineering system using ULM/SySML.

0101	Stephen Sutton, Eddie Tseng	Seats (Total: 41)
	M 7:00pm - 9:40pm	JMP 2222

ENSE623 **Systems Projects, Validation and Verification**

ENSE623 *(PermReq)* **Systems Projects, Validation and Verification; (3 credits)**
Grade Method: REG/AUD.
Prerequisite: ENSE622 and ENPM642; and permission of ENGR-Institute for Systems Research. Also offered as: ENPM643. Credit only granted for: ENPM643, ENSE610, or ENSE623. This course builds on material covered in ENSE621/ENPM641 and ENSE622/ENPM642. Topics wil cover established and emerging approaches to system validation and verification including; inspection, testing, and traceability; writing validation and verification plans; formal approaches to sytem validation and verification; specification-based testing; role of logic in system validation and verification; automation models of computation, timed automation; model-based design and model checking for reactive systems. Students will be introduced to software tools for specification-based testing, model-based testing, model-based design and model checking. Students will work in teams on semester-long projects in systems engineering design and formal approaches to system validation and verification.

0101	Mark Austin	Seats (Total: 25)
	Tu 7:00pm - 9:40pm	JMP 2216

ENSE626 **System Life Cycle Analysis and Risk Management**

ENSE626 *(PermReq)* **System Life Cycle Analysis and Risk Management; (3 credits)** Grade Method: REG/AUD.
Prerequisite: Permission of ENGR-Institute for Systems Research. Also offered as: ENPM646. This course covers topics related to estimating the costs and risks incurred through the lifetimes of projects, products and systems. In addition, treatment is given to methods that determine the drivers of costs and risks and facilitate determination of the most effective alternatives to reducing them. Also covered, are relevant analytic tools from probability and statistics and also important managerial and organizational concepts. Extensive use is made of case studies and examples from industry and government.

0101	Nidak Sumrean	Seats (Total: 25)
	W 7:00pm - 9:40pm	JMP 2222

ENSE698J **Special Topics in Systems Engineering; Federal Acquisition: Concept and Management**

ENSE698J Special Topics in Systems Engineering: Federal Acquisition: Concept and Management; (3 credits) Grade Method: REG/AUD.
Also offered as BUSI758A and PUAF689A.

0101	William Lucyshyn	Seats (Total: 22)
	W 4:15pm - 6:45pm	VMH 2101F

ENSE699 **Directed Study in Systems Engineering**

ENSE699 *(PermReq)* **Directed Study in Systems Engineering; (1-3 credits)** Grade Method: S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENSE799 **Systems Engineering Thesis; Masters Thesis Research**

ENSE799 *(PermReq)* **Systems Engineering Thesis: Masters Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENSP101 **Introduction to Environmental Science**

ENSP101 Introduction to Environmental Science; (3 credits) Grade Method: REG. CORE Physical Science (PS) Course. GenEd: Distributive Studies - Natural Sciences. One of two required courses that introduce students to the topics studied and methods employed in environmental science and policy. Emphasis on scientific ways of knowing; the systems, cycles, flows, and interfaces that characterize the atmosphere, lithosphere, hydrosphere, and biosphere; the analysis of human impacts on these systems; and the nature of scientific uncertainty and methods of quantifying environmental processes.

0101	Cara Lynch MWF 9:00am - 9:50am Th 2:00pm - 2:50pm	Seats (Total: 25) SHM 2102 SYM 0209	Discussion
0102	Cara Lynch MWF 9:00am - 9:50am F 10:00am - 10:50am	Seats (Total: 25) SHM 2102 WDS 0104	Discussion
0103	Cara Lynch MWF 9:00am - 9:50am F 1:00pm - 1:50pm	Seats (Total: 25) SHM 2102 SYM 0215	Discussion
0104	Cara Lynch MWF 9:00am - 9:50am F 1:00pm - 1:50pm	Seats (Total: 25) SHM 2102 PLS 1119	Discussion
0105	Cara Lynch MWF 9:00am - 9:50am Th 2:00pm - 2:50pm	Seats (Total: 25) SHM 2102 HBK 0115	Discussion
0106	Cara Lynch MWF 9:00am - 9:50am F 10:00am - 10:50am	Seats (Total: 25) SHM 2102 WDS 1130	Discussion
0107	Cara Lynch MWF 9:00am - 9:50am Th 2:00pm - 2:50pm	Seats (Total: 25) SHM 2102 CHE 2145	Discussion

ENSP330 **Introduction to Environmental Law**

ENSP330 *(PermReq)* **Introduction to Environmental Law; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: Permission of AGNR-Dean-Environmental Science & Policy Program. Recommended: ENSP101; and ENSP102. Restriction: Junior standing or higher. Credit only granted for: ENSP330 or ENSP399A. Formerly: ENSP399A. An overview of environmental law, from its common law roots to its role in the modern regulatory state, including an examination of major federal environment statutes and the policy debates inherent in them. Other areas covered include civil and criminal enforcement, standing to sue, land use control, and regulatory takings.

0101	Joanna Goger	Seats (Total: 35)
	TuTh 9:30am - 10:45am	SQH 1117

ENSP386 **Internship**

ENSP386 *(PermReq)* **Internship; (3-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
Restriction: Must have internship proposal approved by the concentration advisor, the director of ENSP and the student's internship sponsor.

Contact department for information to register for this course.

ENSP399 **Special Topics in Environmental Science and Policy; Independent Study in Environmental Science and Policy**

ENSP399 *(PermReq)* **Special Topics in Environmental Science and Policy: Independent Study in Environmental Science and Policy; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENSP400 **Capstone in Environmental Science and Policy**

ENSP400 Capstone in Environmental Science and Policy; (3 credits) Grade Method: REG. CORE Capstone (CS) Course.
Prerequisite: ENSP101; and ENSP102. Restriction: Senior standing; or Permission of the Director of ENSP. And must be in Environmental Science and Policy program. Integration of physical, biological, and social sciences with applications to environmental science and policy. Problem-solving and multi-disciplinary case study evaluations pertinent to contemporary and future issues related to the environment.

0101	Joanna Goger	Seats (Total: 45)
	TuTh 12:30pm - 1:45pm	CHE 2118

ENSP499 **Honors Thesis Research**

ENSP499 Honors Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENST Environmental Science and Technology Fall 2012

ENST100 **International Crop Production-Issues and Challenges in the 21st Century**

ENST100 International Crop Production-Issues and Challenges in the 21st Century; (3 credits) Grade Method: REG/P-F/AUD. CORE Life Science (LS) Course. *Credit only granted for: ENST100 or NRSC100. Formerly: NRSC100.* Examines the role of crop production in elevating humans out of poverty in developing countries. It will introduce students to the basic principles of plant and soil science underlying the international production of food crops and world food security. The role of multinational agencies such as the World Bank in the promotion of sustainable crop production using environmentally-sound technologies will also be discussed.

0101	Prabahkar Tamboli	Seats (Total: 36)
	MWF 11:00am - 11:50am	HJP 1104

ENST214 **Introduction to Fish and Wildlife Sciences**

ENST214 Introduction to Fish and Wildlife Sciences; (3 credits) Grade Method: REG/P-F/AUD. CORE Interdisciplinary & Emerging Issues (IE) Course. *Prerequisite: 1 course in BSCI; or permission of instructor.* Lectures, discussion, and readings in social, biological, and human dimension issues facing fisheries and wildlife biologists and natural resource managers in the United States. Coverage will include history and philosophical discussions of fish and wildlife sciences; conservation and management; principles of community, habitat, and animal ecology and management; and interrelations of wildlife, fish, and forestry.

0101	Reginal Harrell	Seats (Total: 36)
	TuTh 12:30pm - 1:45pm	ANS 0412

ENST233 **Introduction to Environmental Health**

ENST233 Introduction to Environmental Health; (3 credits) Grade Method: REG/P-F/AUD. CORE Life Science (LS) Course. GenEd: Distributive Studies - Natural Sciences.
How humans are affected by the quality of our air, water, soil, and food supply as well as how human activities altered these survival necessities are examined. Students will learn how the evolution and prosperity of human populations have resulted in degradation of our environment and the impact of environmental degradation on the health of people.

0101	Lance Yonkos TuTh 3:30pm - 4:45pm W 1:00pm - 1:50pm	Seats (Total: 40) ANS 0408 ANS 0422	 Discussion
0102	Lance Yonkos TuTh 3:30pm - 4:45pm W 2:00pm - 2:50pm	Seats (Total: 40) ANS 0408 ANS 0422	 Discussion

ENST301 **Field Soil Morphology I**

ENST301 *(PermReq)* **Field Soil Morphology I; (1 credit)** Grade Method: REG/P-F/AUD.
Restriction: Permission of AGNR-Environmental Science & Technology department. Formerly: ENST308. This is a field-oriented course that introduces students to the techniques used to (1) describe soil morphology, and site and profile characteristics, (2) make land use interpretations based on soil characteristics, and (3) classify soils. This class is designed to prepare students for the Regional Collegiate Soil Judging Contest and for students to gain experience in the description and interpretation of soils in the field.

0101	Brian Needelman Contact instructor or department for details.	Seats (Total: 7)

ENST302 **Field Soil Morphology II**

ENST302 *(PermReq)* **Field Soil Morphology II; (1 credit)** Grade Method: REG/P-F/AUD.
Prerequisite: ENST301. Restriction: Permission of AGNR-Environmental Science & Technology department. Formerly: ENST308. This is the second field-oriented course in a three course sequence that provides intermediate training for students in the techniques used to (1) describe soil morphology, and site and profile characteristics, (2) make land use interpretations based on soil characteristics, and (3) classify soils. This class is designed to prepare students for the Regional Collegiate Soil Judging Contest and for students to gain experience in the description and interpretation of soils in the field.

0101	Brian Needelman	Seats (Total: 7)
	Contact instructor or department for details.	

ENST308 **Field Soil Morphology**

ENST308 *(PermReq)* **Field Soil Morphology; (1 credit)** Grade Method: REG/P-F/AUD.

0101	Brian Needelman	Seats (Total: 15)
	Contact instructor or department for details.	

ENST333 **Ecosystem Health and Protection**

ENST333 Ecosystem Health and Protection; (3 credits) Grade Method: REG/P-F/AUD.
Recommended: ENST233. Credit only granted for: ENST499A or ENST333. Formerly: ENST499A. Discussion of the philosophies, principles, and practices for assessing ecosystem health with emphasis on an ecosystem perspective rather than a human health perspective. Degradation associated with human activities will be emphasized. Topics will range from local to regional to global issues, including a discussion on global warming and its possible impacts on ecosystems. Concepts will be clarified using case histories from the Chesapeake Bay watershed.

0101	Daniel Fisher	Seats (Total: 40)
	TuTh 11:00am - 12:15pm	ANS 0422

ENST360 **Ecosystem Ecology**

ENST360 Ecosystem Ecology; (4 credits) Grade Method: REG/P-F/AUD. Prerequisite: BSCI106. For ENST majors only.

0101	Peter May	Seats (Total: 20)	
	M 2:00pm - 2:50pm	ANS 0538	
	W 12:00pm - 3:50pm	ANS 0538	Lab
	M 3:00pm - 3:50pm	ANS 0538	Discussion

ENST373 **Natural History of the Chesapeake Bay**

ENST373 Natural History of the Chesapeake Bay; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as: BSCI373. Credit only granted for: BSCI373, ENST373, or ENST499G. Formerly: ENST499G. Consideration of the major groups of organisms associated with the Chesapeake Bay and current issues that determine humans' present and future uses for the Chesapeake and its biota.

0101	Patrick Kangas	Seats (Total: 83)
	MWF 3:00pm - 3:50pm	ANS 0408

ENST389 **Internship**

ENST389 *(PermReq)* **Internship; (3 credits)** Grade Method: S-F.

0101	Patrick Kangas	Seats (Total: 50)
	Contact instructor or department for details.	

ENST414 **Soil Morphology, Genesis and Classification**

ENST414 Soil Morphology, Genesis and Classification; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ENST200. Credit only granted for: ENST414 or NRSC414. Formerly: NRSC414. Processes and factors of soil genesis. Taxonomy of soils of the world by U.S. System. Soil morphological characteristics, composition, classification, survey and field trips to examine and describe soils.

0101	Brian Needelman	Seats (Total: 20)	
	MWF 9:00am - 9:50am	HJP 1104	
	M 2:00pm - 5:00pm	HJP 0210	Lab

ENST415 **Renewable Energy**

ENST415 Renewable Energy; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: CHEM131, PHYS121, and MATH113; or permission of AGNR-Environmental Science & Technology department. Restriction: Must be in a major within AGNR-Environmental Science & Technology department. Credit only granted for: ENST415 or NRSC415. Formerly: NRSC415.* An overview of renewable energy technologies and their current applications. Emphasis will be placed on technological readiness, efficiency and sustainability of renewable energy alternatives. Technologies include solar thermal, photovoltaics, biodiesel, ethanol, anaerobic digestion, wind, hydroelectric, and microbial fuel cells.

0101	Stephanie Lansing MWF 11:00am - 11:50am	Seats (Total: 39) ANS 0422

ENST417 **Soil Hydrology and Physics**

ENST417 Soil Hydrology and Physics; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: ENST200; and (MATH113 or MATH115). Or permission of instructor. Credit only granted for: ENST417 or NRSC417. Formerly: NRSC417.* A study of soil water interactions: the hydrologic cycle; the unique properties of water and soil; the soil components and their interactions; the field water cycle; transport processes involving water, heat and solutes; human effects on soil and groundwater; as well as the measurement, prediction, and control of the physical processes taking place in and through the soil.

0101	Robert Hill TuTh 9:00am - 10:15am	Seats (Total: 18) PLS 1125

ENST422 **Soil Microbial Ecology**

ENST422 Soil Microbial Ecology; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: ENST200; or 1 course in BCHM; or Must have completed a course in microbiology; or students who have taken courses with similar or comparable course content may contact the department. Also offered as: ENST622. Credit only granted for: ENST422 or NRSC422. Formerly: NRSC422.* The interdisciplinary study of soil microorganisms and their interactions with the mineral matrix; resulting in processes such as nutrient cycling, decontamination, and natural product production. We will focus on the diversity of soil communities, their survival strategies, and the new strategies used to study these communities.

0101	Stephanie Yarwood TuTh 9:30am - 10:45am	Seats (Total: 25) HJP 1104

ENST434 **Toxic Contaminants: Sources, Fate, and Effects**

ENST434 Toxic Contaminants: Sources, Fate, and Effects; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ENST333 and ENST334. Study of the release to the environment, transport through natural compartments, persistence and ultimate fate of various classes of contaminants produced as a result of human activities. Topics will culminate in discussions of impacts to wildlife and human health. Students should emerge with a practical appreciation of the actual risks from exposure to a variety of environmental contaminants and an understanding of the environmental and human health implications of continuing the contaminating activities.

0101	Lance Yonkos TuTh 12:30pm - 1:45pm	Seats (Total: 20) EGR 1110

ENST441 **Sustainable Agriculture**

ENST441 Sustainable Agriculture; (3 credits) Grade Method: REG/P-F/AUD.
Credit only granted for: ENST441 or NRSC441. Formerly: NRSC441. Environmental, social and economic needs for alternatives to the conventional, high-input farming systems which currently predominate in industrial countries. Strategies and practices that minimize the use of non-renewable resources. Participation in two Saturday field trips is required.

0101	Raymond Weil TuTh 5:00pm - 6:15pm	Seats (Total: 35) HJP 1104

ENST450 **Wetland Ecology**

ENST450 Wetland Ecology; (3 credits) Grade Method: REG.
Prerequisite: BIOM301; or permission of AGNR-Environmental Science & Technology department. Also offered as: ENST650, MEES650. Credit only granted for: ENST450, NRMT450, or MEES650. Formerly: NRMT450. Plant and animal communities, biogeochemistry, and ecosystem properties of wetland systems. Laboratory emphasizes collection and analysis of field data on wetland vegetation, soil, and hydrology.

0101	Andrew Baldwin	Seats (Total: 33)	
	Tu 2:00pm - 3:15pm	ANS 0422	
	Th 2:00pm - 6:00pm	ANS 0538	Lab

ENST461 **Urban Wildlife Management**

ENST461 Urban Wildlife Management; (3 credits) Grade Method: REG/P-F/AUD. *Credit only granted for: ENST461 or NRMT461. Formerly: NRMT461.* Ecology and management of wildlife in urban areas. For students in biological sciences, geography, landscape design, natural resources management, recreation and urban studies. Planning, design, and wildlife conservation in landscape ecology. Public attitudes, preferences, and values, review of private conservation organizations. One Saturday field trip is scheduled.

0101	Jennifer Murrow	Seats (Total: 40)	
	TuTh 9:30am - 10:45am	ANS 0412	

ENST463 **Wildlife Habitat & Population Modeling**

ENST463 Wildlife Habitat & Population Modeling; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ENST460, GEOG373, and MATH220; or permission of AGNR-Environmental Science & Technology department. Restriction: Must be in Environmental Sci & Tech program; and must be in Environmental Science and Policy program. Students will gain basic tools for the analysis and modeling of wildlife population demographics and wildlife habitat. This class will be broken into two components: 1) will teach students techniques of modeling wildlife field data for the purpose of estimation of key parameters such as population size, viability, and other demographic rates using programs such as Riskman, Vortex, and Mark; 2) will teach students real world techniques used to determine and model habitat use on multiple scales using statistical analyses, GIS, and stand-alone programs such as Home Ranger and Biomapper. This class is designed for wildlife and natural resources majors. Designed for wildlife and natural resources majors, Students will be provided with the basic tools for the analysis and modeling of wildlifepopulation demographics and wildlife habitat. This class will be broken into two modules: 1) students will taught techniques of modeling wildlife field data for the purpose of estimation of key parameters such as population size, viability, and other demographic rates using programs such as Riskman, Vortex, and Mark; 2) students will taught real world techniques used to determine and model habitat use on multiple scales using statistical analyses, GIS, and stand-alone programs such as Home Ranger and Biomapper.

0101	Jennifer Murrow	Seats (Total: 20)
	TuTh 3:30pm - 4:45pm	ANS 0509

ENST471 **Capstone I**

ENST471 *(PermReq)* **Captsone I; (2 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: Senior standing and permission of department. For ENST majors only. This course will be conducted in a group discussion format that will focus on professional project proposal preparation and presentation, critical evaluation of environmental science research, professional development, and career planning. Students will develop and present original project proposals and critique project proposals presented by others.

0101	William Bowerman, Wendy Peer	Seats (Total: 75)
	M 12:00pm - 1:50pm	ANS 0408

ENST489 **Field Experience**

ENST489 *(PermReq)* **Field Experience; (1-4 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENST489W **Field Experience; Sustainability in Urban Watersheds**

ENST489W Field Experience: Sustainability in Urban Watersheds; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ENST majors only. Junior or senior standing. BSCI361 or permission of the department. Sustainability of energy and water in urban watersheds. Principles of energy and water dynamics in the urban environment. Role of natrual and artificial ecosystems in improving water quality, natrualizing hydrology, supporting ecological habitat and mitigating urban heat island. Ecological desgins for minimizing use of energy and water in urban environments and sustainability evaluation techniques are discussed.

0101	David Tilley	Seats (Total: 20)
	Tu 5:00pm - 7:30pm	ANS 0422

ENST499 **Special Topics in Environmental Science and Technology**

ENST499 *(PermReq)* **Special Topics in Environmental Science and Technology; (1-4 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENST499D **Special Topics in Environmental Science and Technology; Anaerobic Digestion Design and Testing**

ENST499D *(PermReq)* **Special Topics in Environmental Science and Technology: Anaerobic Digestion Design and Testing; (1 credit)** Grade Method: REG/P-F/AUD. Also offered as ENST689D. Credit will only be granted for one of the following: ENST499D or ENST689D.

0101	Stephanie Lansing	Seats (Total: 10)
	F 12:00pm - 12:50pm	ANS 1420

ENST499J **Special Topics in Environmental Science and Technology; Valuing Ecosystem Services**

ENST499J Special Topics in Environmental Science and Technology: Valuing Ecosystem Services; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: BSCI361 or equivalent. Exploring the importance of our ecosystems to society and valuation techniques used to place financial values on their services. Basic principles in ecology and ecological economics will be discussed and applied through the use of case studies.

0101	Robert Tjaden	Seats (Total: 20)
	TuTh 12:30pm - 1:45pm	ANS 0422

ENST499N **Special Topics in Environmental Science and Technology; Environmental Issues and Culture in USA and China**

ENST499N Special Topics in Environmental Science and Technology: Environmental Issues and Culture in USA and China; (2 credits) Grade Method: REG/P-F/AUD.
Explore environmental issues and culture with university students at Northwest Agriculture and Forestry University, Yangling, China via video conferences. Culture and environmental issues of both countries will be examined via individual and group presentations and guided discussions.

0101	Robert Hill	Seats (Total: 15)
	W 7:00pm - 8:50pm	SYM 0118

ENST499X **Special Topics in Environmental Science and Technology; Soil Science**

ENST499X *(PermReq)* **Special Topics in Environmental Science and Technology: Soil Science; (3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENST602 **Research Principles and Methodology in Environmental Scienceand Technolgy**

ENST602 *(PermReq)* **Research Principles and Methodology in Environmental Scienceand Technolgy; (3 credits)** Grade Method: REG/AUD.
Restriction: Must be in Environmental Sci & Tech program. Fundamental research strategies and methods of investigation in Environmental Science and Technology including field and laboratory procedures.

0101	Reginal Harrell	Seats (Total: 15)
	TuTh 11:00am - 12:15pm	ANS 1420

ENST608 **Research Methods**
Contact department for information to register for this course.

ENST622 **Advanced Soil Microbial Ecology**

ENST622 Advanced Soil Microbial Ecology; (3 credits) Grade Method: REG/AUD. *Prerequisite: ENST200; or 1 course in BCHM; or Must have completed one course in microbiology; or students who have taken courses with similar or comparable course content may contact the department. Also offered as: ENST422. Credit only granted for: ENST422 or ENST622.* The interdisciplinary study of soil microorganisms and their interactions with the mineral matrix; resulting in processes such as nutrient cycling, decontamination, and natural product production. We will focus on the diversity of soil communities, their survival strategies, and the new strategies used to study these communities.The course will include an examination of current literature in this field.

0101	Stephanie Yarwood	Seats (Total: 15)
	TuTh 9:30am - 10:45am	HJP 1104

ENST689C **Special Topics; Where Rivers Meet the Sea: Characteristics, Processes, and Management Issues of Estuaries and Deltas**

ENST689C Special Topics: Where Rivers Meet the Sea: Characteristics, Processes, and Management Issues of Estuaries and Deltas; (3 credits) Grade Method: REG/AUD.
Estuaries and deltas comprise some of the most important coasts in the world. There will be an examination of the physical,biogeochemical and ecological aspects of these systems, including circulation types, sedimentation, geochemical transformations and bioprocessing, ecosystems , and human impacts.

0101	Michael Kearney	Seats (Total: 20)
	MW 8:30am - 9:45am	ANS 0422

ENST689D **Special Topics; Anaerboic Digestion Design and Testing**

ENST689D Special Topics: Anaerboic Digestion Design and Testing; (1-3 credits) Grade Method: REG/AUD.
Also offered as ENST689D. Credit will only be granted for one of the following: ENST499D or ENST689D.

0101	Stephanie Lansing	Seats (Total: 10)	
	F 12:00pm - 12:50pm	ANS 1420	

ENST689J **Special Topics; Valuing Ecosystem Services**

ENST689J Special Topics: Valuing Ecosystem Services; (3 credits) Grade Method: REG/AUD.

0101	Robert Tjaden	Seats (Total: 4)	
	TuTh 12:30pm - 1:45pm	ANS 0422	

ENST689R **Special Topics; Invasive Ecology**

ENST689R Special Topics: Invasive Ecology; (1-3 credits) Grade Method: REG/AUD.
Two Saturday field trips are scheduled. Prerequisite: One semsester of biology or permission of department. We will examine ecological, evolutionary, and anthropogenic processes facilitating or resisting biological invasions, and consider their environmental, economic, and human health impacts. We will consider various management strategies to mitigate invasions and identify areas of future research. Field trips and detailed discussion of recent findings and controversies in the literature will help illustrate fundamental concepts of invasions among various ecosystems.

0101	Paul Leisnham	Seats (Total: 10)	
	MW 10:00am - 11:00am	ANS 1420	
	W 12:00pm - 3:00pm	ANS 1420	Lab

ENST689W **Special Topics; Urban Ecohydrology Design**

ENST689W Special Topics: Urban Ecohydrology Design; (3 credits) Grade Method: REG/AUD.

0101	David Tilley	Seats (Total: 5)	
	Tu 5:00pm - 7:30pm	ANS 0422	

ENST689X **Special Topics; Methods in University Teaching**

ENST689X *(PermReq)* **Special Topics: Methods in University Teaching; (3 credits)** Grade Method: REG/AUD.

0101	Raymond Weil	Seats (Total: 1)
	Contact instructor or department for details.	

ENST789 **Advances in Research**

Contact department for information to register for this course.

ENST798 **Graduate Seminar**

ENST798 Graduate Seminar; (1 credit) Grade Method: REG/AUD.

0101	Paul Leisnham, Martin Rabenhorst	Seats (Total: 30)
	W 4:00pm - 4:50pm	ANS 0408

ENST799 **Master's Thesis Research**

ENST799 Master's Thesis Research; (1-6 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENST898 **Pre-Candidacy Research**

ENST898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENST899 **Doctoral Dissertation Research**

ENST899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENTM Entomology Fall 2012

ENTM622 **Principles of Systematic Entomology**

ENTM622 Principles of Systematic Entomology; (3 credits) Grade Method: REG/AUD.
Prerequisite: ENTM 421. The principles of systematics including traditional classification methods, cladistics, and numerical taxonomy. Nomenclature, continental drift, and speciation theory. A laboratory problem in systematics is required.

0101	Charles Mitter	Seats (Total: 20)
	Contact instructor or department for details.	

ENTM699K **Advanced Entomology; Biological Sciences Teaching and Learning in Higher Education**

ENTM699K *(PermReq)* **Advanced Entomology: Biological Sciences Teaching and Learning in Higher Education; (2 credits)** Grade Method: REG/AUD.
Also offered as BIOL608K, CBMG699K, and CHEM608K. Credit will be granted for only one of the following: BIOL608K, CBMG699K, CHEM608K, or ENTM699K.

0101	Gili Ad-Marbach	Seats (Total: 28)
	W 12:00pm - 1:40pm	BPS 1208

ENTM701 **Effective Teaching: TA Training**

ENTM701 *(PermReq)* **Effective Teaching: TA Training; (1 credit)** Grade Method: REG.
A survey and discussion of topics pertinent to graduate students who are first-time teaching assistants, including teaching responsibilities and policies, effective techniques of lecturing and leading discussions, composing and grading quizzes and exams, cultural diversity, time management, and development of a teaching portfolio. All teaching assistants in the College of Life Sciences must take a 701 TA training course in one of the departments.

0101	Bretton Kent	Seats (Total: 20)
	Tu 6:00pm - 8:00pm	BPS 1208

ENTM788C **Entomological Topics; Colloquium**

ENTM788C Entomological Topics: Colloquium; (1-3 credits) Grade Method: REG/AUD.

0101	Instructor: TBA	Seats (Total: 45)	
	F 12:00pm - 12:50pm	PLS 1130	
	F 1:00pm - 1:50pm	PLS 1130	Discussion

ENTM798V **Topic Seminar; Introduction to R for Computation and Analysis in Ecology and Evolutionary Biology**

ENTM798V Topic Seminar: Introduction to R for Computation and Analysis in Ecology and Evolutionary Biology; (1 credit) Grade Method: REG/AUD.

0101	Daniel Gruner	Seats (Total: 15)
	Contact instructor or department for details.	

ENTM798W **Topic Seminar; Advanced Topics in Ecology**

ENTM798W Topic Seminar: Advanced Topics in Ecology; (1 credit) Grade Method: REG.

0101	William Lamp	Seats (Total: 20)
	Contact instructor or department for details.	

ENTM799 **Master's Thesis Research**

ENTM799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENTM898 **Pre-Candidacy Research**

ENTM898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENTM899 **Doctoral Dissertation Research**

ENTM899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENTS Telecommunications Fall 2012

ENTS609 **Telecommunications Project**

ENTS609 *(PermReq)* **Telecommunications Project; (3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENTS622 **Introduction to Digital Communication Systems**

ENTS622 Introduction to Digital Communication Systems; (3 credits) Grade Method: REG/AUD.
Restriction: Must be in Telecommunications (Master's) program; or permission of ENGR-Electrical & Computer Engineering department. Credit only granted for: ENTS622 or ENTS689B. Formerly: ENTS689B. Principles of analog and digital communication systems design. Analysis of the performance and relative merits of different modulation and demodulation, signal processing, filtering and error control schemes in communication systems. Also provides an understanding of the design of modern digital communication systems.

0101	Sheldon Wolk M 5:30pm - 8:15pm	Seats (Total: 40) EGR 3106
0201	Sheldon Wolk Tu 5:30pm - 8:15pm	Seats (Total: 40) EGR 1108

ENTS625 **Management and Organizational Behavior in the Telecommunications Industry**

ENTS625 Management and Organizational Behavior in the Telecommunications Industry; (3 credits) Grade Method: REG/AUD.
Roles of the general manager in: determining target markets and designing strategies for them; formulating and implementing corporate and business level strategies; and staffing, developing, and managing human resources and coordinating them with the organization's financial and physical resources. Also emphasizes the building of interpersonal skills with respect to the selection of members for work teams and team formation, leadership of teams toward the achievement of strategic goals and total quality, the development and motivation of team members, and the evaluation of team and individual performance.

0101	David Kressler Th 5:30pm - 8:15pm	Seats (Total: 40) TYD 1108
0201	David Kressler Th 2:00pm - 4:45pm	Seats (Total: 40) TYD 1108

ENTS629A **Special Topics in Cybersecurity; System Security**

ENTS629A Special Topicsl in Cybersecurity: System Security; (3 credits) Grade Method: REG/AUD.
Click here for more course information.

0101	Siddique Kabir W 5:30pm - 8:15pm	Seats (Total: 30) JMP 1109

ENTS630 **The Economics of International Telecommunications**

ENTS630 The Economics of International Telecommunications; (3 credits) Grade Method: REG/AUD.
Restriction: Must be in Telecommunications (Master's) program. Basic microeconomic principles used by telecommunications firms, including supply and demand, elasticity, costs, productivity, pricing, market structure and competitive implications of alternative market structures. Market failures and government intervention. Public policy processes affecting business operations. Restricted to ENTS majors. All non-majors will need to obtain department permission.

0101	Jahangir Boroumand M 5:30pm - 8:15pm	Seats (Total: 40) VMH 1206

ENTS632 **Telecommunications Marketing Management**

ENTS632 Telecommunications Marketing Management; (3 credits) Grade Method: REG/AUD.
Restriction: Must be in Telecommunications (Master's) program. Topics covered include strategic marketing, sales and customer service challenges confronting organizations in the computer, communications and media industries. The course also addresses volatile technology, regulatory and competitive environments as a backdrop to strategic planning and management in the marketing domain.

0101	Z Eisenman W 5:30pm - 8:15pm	Seats (Total: 40) SQH 1121	

ENTS635 **Decision Support Methods for Telecommunication Managers**

ENTS635 Decision Support Methods for Telecommunication Managers; (3 credits) Grade Method: REG/AUD.
Prerequisite: ENEE324 and MATH241; or students who have taken courses with similar or comparable course content may contact the department. Restriction: Must be in Telecommunications (Master's) program. The aim of this course is to introduce management science techniques for informed decision making. Topics covered can include data analysis and regression, optimization models and applications (workforce scheduling, manufacturing, network design, facility location), sensitivity analysis, decision trees, risk analysis and business simulation models. Emphasis will be on telecommunications managerial problems, model development and the use of software packages for decision support. Restricted to ENTS majors. All non-majors will need to obtain department permission.

0101	Donald Riley Tu 2:00pm - 4:45pm	Seats (Total: 40) SQH 1117	
0201	Ali Pilehvar Tu 5:30pm - 8:15pm	Seats (Total: 40) SQH 1117	

ENTS640 **Networks and Protocols I**

ENTS640 Networks and Protocols I; (3 credits) Grade Method: REG/AUD.
Restriction: Must be in Telecommunications (Master's) program. An overview of design issues and the important industry standards for digital communications networks. This includes protocols, data communications technologies, error correction and detection, congestion control, traffic routing, Local Area Network (LAN) protocols, TCP/IP, and some security issues.

0101	Zoltan Safar Th 5:30pm - 8:15pm M 5:30pm - 8:15pm	Seats (Total: 20) EGR 1108 AVW 1458	 Lab

0102	Zoltan Safar Th 5:30pm - 8:15pm Tu 5:30pm - 8:15pm	Seats (Total: 20) EGR 1108 AVW 1458	 Lab
0201	Zoltan Safar Th 2:00pm - 4:45pm M 2:00pm - 4:45pm	Seats (Total: 20) HJP 1125 AVW 1458	 Lab
0202	Zoltan Safar Th 2:00pm - 4:45pm Tu 2:00pm - 4:45pm	Seats (Total: 20) HJP 1125 AVW 1458	 Lab

ENTS641 **Networks and Protocols II**

ENTS641 Networks and Protocols II; (3 credits) Grade Method: REG/AUD. *Prerequisite: ENTS640. Restriction: Must be in Telecommunications (Master's) program.* Techniques for the specification, design, analysis, verification and testing of communication protocols are discussed. The course includes detailed discussion on routing protocols in the Internet. This includes Routing Information Protocol (RIP), Enchanced Interior Gateway Routing Protocol (EIGRP). Open Shortest Path First (OSPF), and Border Gateway Protocol (BGP4).

0101	Mehdi Kalantari Khandani Th 2:00pm - 4:45pm	Seats (Total: 40) HJP 1104

ENTS649B **Special Topics in Networking; Cloud Computing**

ENTS649B Special Topics in Networking: Cloud Computing; (3 credits) Grade Method: REG/AUD.
Clicke here for more course information.

0101	Reza Eftekari F 9:00am - 12:00pm	Seats (Total: 30) EGR 0108

ENTS653 **AWS/PCS System Implementation**

ENTS653 AWS/PCS System Implementation; (3 credits) Grade Method: REG/AUD. *Restriction: Must be in Telecommunications (Master's) program. Credit only granted for: ENTS653 or ENTS689A. Formerly: ENTS689A.* Engineering issues associated with designing and deploying a AWS/PCS cellular wireless communications system in the current world environment will be examined. The course will focus on implementation issues such as the impact of real world concerns on the deployment strategy and the use of good engineering practice to overcome obstacles. Students will create and modify mock deployments using professional tools for cell planning and interference analysis. Students will also be exposed to drive testing tools and concepts for migration to future technologies.

0101	Michael Dellomo Tu 5:30pm - 8:15pm	Seats (Total: 40) JMP 3216
0201	Michael Dellomo Tu 2:00pm - 4:45pm	Seats (Total: 40) PHY 0405

ENTS657 **Satellite Communication Systems**

ENTS657 Satellite Communication Systems; (3 credits) Grade Method: REG/AUD. *Credit only granted for: ENTS657 or ENTS689S. Formerly: ENTS689S.* An examination of satellite telecommunication systems with an emphasis on the mobile satellite systems (MSS). Topics will include a historical perspective, orbital mechanics and constellations, choice of orbital parameters, propagations considerations, link budgets, interference issues and other obstacles, and existing and proposed mobile satellite systems. It will also look at some of the business aspects such as the cost of deploying and maintaining these systems.

0101	Michael Dellomo W 5:30pm - 8:15pm	Seats (Total: 40) CHE 2118

ENTS659A **Special Topics in Communications; Wireless Communications System Design and Simulation**

ENTS659A Special Topics in Communications: Wireless Communications System Design and Simulation; (3 credits) Grade Method: REG/AUD.
Click here for more course information.

0101	Babak Azimi-Sadjadi F 5:30pm - 8:15pm	Seats (Total: 30) EGR 3106

ENTS673 **Project Management for Telecommunications**

ENTS673 Project Management for Telecommunications; (3 credits) Grade Method: REG/AUD.
Formerly: ENTS689P. Introduces modiern project management. Begins with an overview and expands into Adaptive and Extreme project management. The focus then shifts to the individual skills required to be an effective project manager, such as time management, leadership and motivation. Once skills of the individual have been addressed, social networks and how they impact project management are examined.

0101	Christopher White Tu 5:30pm - 8:15pm	Seats (Total: 30) SQH 1105

ENTS689E **Special Topics in Telecommunications; Advanced Engineering Start Up Ventures**

ENTS689E *(PermReq)* **Special Topics in Telecommunications: Advanced Engineering Start Up Ventures; (3 credits)** Grade Method: REG/AUD.
Also offered as BIOE645. Credit will be granted for only one of the following: BIOE645 or ENTS689E. Click here for more course information.

0101	David Barbe F 8:00am - 11:00am	Seats (Total: 25) POT 2111

ENTS689F **Special Topics in Telecommunications; Fundamentals of Wireless LANs**

ENTS689F Special Topics in Telecommunications: Fundamentals of Wireless LANs; (3 credits) Grade Method: REG/AUD.
Click here for more course information

0101	Rikin Thakker F 5:30pm - 8:15pm	Seats (Total: 30) EGR 1108
0201	Rikin Thakker F 2:00pm - 4:45pm	Seats (Total: 30) EGR 3106

ENTS689K **Special Topics in Telecommunications; Telecommunications Entrepreneurial Practicum**

ENTS689K *(PermReq)* **Special Topics in Telecommunications: Telecommunications Entrepreneurial Practicum; (3 credits)** Grade Method: REG/AUD.
Department permission required.

0101	Michael Dellomo Contact instructor or department for details.	Seats (Total: 3)

ENTS689N **Special Topics in Telecommunications; Network Programming**

ENTS689N Special Topics in Telecommunications: Network Programming; (3 credits) Grade Method: REG/AUD.
Click here for more course information

0201	Justin Yackoski M 5:30pm - 8:15pm	Seats (Total: 33) EGR 0110

ENTS689W **Special Topics in Telecommunications; Short-range Wireless Systems**

ENTS689W Special Topics in Telecommunications: Short-range Wireless Systems; (3 credits) Grade Method: REG/AUD.
Click here for more course information.

0101	Alejandra Mercado Tu 5:30pm - 8:15pm	Seats (Total: 30) EGR 0135
0201	Alejandra Mercado M 2:00pm - 4:45pm	Seats (Total: 30) EGR 0110

ENTS689Y **Special Topics in Telecommunications; Multimedia Communications over Networks**

ENTS689Y Special Topics in Telecommunications: Multimedia Communications over Networks; (3 credits) Grade Method: REG/AUD.

0101	Qinqing Zhang F 5:30pm - 8:15pm *Click here for more course information.*	Seats (Total: 30) EGR 1104

ENTS699A **Independent Study in Telecommunications; Advanced Seminar in 3G and 4G**

ENTS699A *(PermReq)* **Independent Study in Telecommunications: Advanced Seminar in 3G and 4G; (1 credit)** Grade Method: REG/AUD.
Click here for more course information.

0101	Kamran Etemad F 5:30pm - 8:15pm	Seats (Total: 20) CSS 2428

ENTS749A **Advanced Topics in Networking; Network Traffic and Application Performance Analysis**

ENTS749A Advanced Topics in Networking: Network Traffic and Application Performance Analysis; (3 credits) Grade Method: REG/AUD.
Click here for more course information.

0101	Majid Raissi-Dehkordi Th 5:30pm - 8:15pm	Seats (Total: 20) AVW 1458

ENTS759A **Advanced Topics in Communications; 3G/4G Wireless Networks and Systems**

ENTS759A Advanced Topics in Communications: 3G/4G Wireless Networks and Systems; (3 credits) Grade Method: REG/AUD.
Click here for more course information.

0101	Kamran Etemad F 2:00pm - 4:45pm	Seats (Total: 25) CSS 2428

EPIB Epidemiology and Biostatistics Fall 2012

EPIB610 **Foundations of Epidemiology**

EPIB610 *(PermReq)* **Foundations of Epidemiology; (3 credits)** Grade Method: REG/AUD.
Credit only granted for: EPIB610 or HLTH720. Formerly: HLTH720. Introduction to the discipline of epidemiology and its applications to health issues and practices. Basic epidemiologic concepts and methods will be covered.

0101	Olivia Carter-Pokras Th 4:00pm - 6:45pm	Seats (Total: 25) SPH 0302

EPIB621 **Infectious Disease Epidemiology**

EPIB621 Infectious Disease Epidemiology; (3 credits) Grade Method: REG/AUD.
Prerequisite: EPIB610. Overview of the unique aspects of infectious diseases and the epidemiological methods used in their study, prevention, and control.

0101	Yujiang Jia	Seats (Total: 25)
	M 7:00pm - 9:45pm	SPH 0303

EPIB622 **Social Determinants of Health**

EPIB622 *(PermReq)* **Social Determinants of Health; (3 credits)** Grade Method: REG/AUD.
Prerequisite: EPIB610. Overview of the major social variables that affect public health, including socioeconomic status, poverty, income distribution, race, social networks/support, community cohesion, psychological stress, gender, and work and neighborhood environment.

0101	Sunmin Lee	Seats (Total: 20)
	Th 4:00pm - 6:45pm	SPH 0301

EPIB650 **Biostatistics I**

EPIB650 *(PermReq)* **Biostatistics I; (3 credits)** Grade Method: REG/AUD.
Credit only granted for: EPIB650, HLTH651, or HLTH688B. Formerly: HLTH651 and HLTH688B. Basic statistical concepts and procedures for Public Health. Focuses on applications, hands-on-experience, and interpretations of statistical findings.

0101	Xin He	Seats (Total: 35)
	F 4:00pm - 6:45pm	SPH 1302

EPIB652 **Categorical Data Analysis**

EPIB652 *(PermReq)* **Categorical Data Analysis; (3 credits)** Grade Method: REG/AUD.
Prerequisite: EPIB650 and EPIB651. Recommended: EPIB698C (SAS Basics). Methods for analysis of categorical data as applied to public health research, including contingency tables, logistic regression, multicategory logic models, loglinear models, and models for matched-pairs.

0101	Tongtong Wu W 4:00pm - 6:45pm	Seats (Total: 20) SPH 1302

EPIB655 **Longitudinal Data Analysis**

EPIB655 Longitudinal Data Analysis; (3 credits) Grade Method: REG/AUD. *Prerequisite: EPIB650 and EPIB651.* Statistical models for drawing scientific inferences from longitudinal data, longitudinal study design, repeated measures and random effects to account for experimental designs that involve correlated responses, handling of missing data.

0101	Xin He F 9:00am - 11:45am	Seats (Total: 25) SPH 1302

EPIB698C **Special Topics in Epidemiology and Biostatistics; SAS Basics**

EPIB698C *(PermReq)* **Special Topics in Epidemiology and Biostatistics: SAS Basics; (1 credit)** Grade Method: REG/AUD.

0101	Raul Cruz-Cano W 4:00pm - 6:00pm	Seats (Total: 15) SPH 0301

EPIB785 **Internship in Public Health**

EPIB785 *(PermReq)* **Internship in Public Health; (3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: Permission of SPHL-Epidemiology & Biostatistics department. Internship and seminar providing an opportunity to apply previously acquired knowledge and skills in a health or allied health organization. Setting of the internship will depend upon the student's background and career goals.

Contact department for information to register for this course.

EPIB786 **Capstone Project in Public Health**

EPIB786 *(PermReq)* **Capstone Project in Public Health; (3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: Permission of SPHL-Epidemiology & Biostatistics department. Capstone experience providing opportunity to apply knowledge and skills to a specific public health problem or issue. Completion of project relevant to public health under the direction of an advisor.

Contact department for information to register for this course.

EPIB788 **Critical Readings in Epidemiology and Biostatistics**

EPIB788 *(PermReq)* **Critical Readings in Epidemiology and Biostatistics; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EPIB798 **Independent Study**

EPIB798 *(PermReq)* **Independent Study; (1-6 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EPIB799 **Master's Thesis Research**

EPIB799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EPIB898 **Pre-Candidacy Research**

EPIB898 *(PermReq)* **Pre-Candidacy Research; (1-8 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EPIB899 **Doctoral Dissertation Research**

EPIB899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

FILM Film Studies Fall 2012

FILM245 **Film Form and Culture**

FILM245 Film Form and Culture; (3 credits) Grade Method: REG/P-F/AUD. *Restriction: Must not have completed ENGL245. Also offered as: ENGL245. Credit only granted for: CMLT214, CMLT245, ENGL245, or FILM245. Formerly: CMLT214.* Introduction to film as art form and how films create meaning. Basic film terminology; fundamental principles of film form, film narrative, and film history. Examination of film technique and style over past one hundred years. Social and economic functions of film within broader institutional, economic, and cultural contexts.

0101	Oliver Gaycken	Seats (Total: 22)	
	TuTh 12:30pm - 1:20pm	TWS 1100	
	Tu 3:30pm - 5:30pm	TWS 1100	Lab
	F 10:00am - 10:50am	CSI 2118	Discussion
0102	Oliver Gaycken	Seats (Total: 22)	
	TuTh 12:30pm - 1:20pm	TWS 1100	
	Tu 3:30pm - 5:30pm	TWS 1100	Lab
	F 11:00am - 11:50am	CSI 2120	Discussion
0103	Oliver Gaycken	Seats (Total: 22)	
	TuTh 12:30pm - 1:20pm	TWS 1100	
	Tu 3:30pm - 5:30pm	TWS 1100	Lab
	F 12:00pm - 12:50pm	TWS 1107	Discussion
0104	Oliver Gaycken	Seats (Total: 22)	
	TuTh 12:30pm - 1:20pm	TWS 1100	
	Tu 3:30pm - 5:30pm	TWS 1100	Lab
	F 1:00pm - 1:50pm	TWS 0205	Discussion
0201	Caitlin McGrath	Seats (Total: 30)	
	MW 3:30pm - 4:45pm	SQH 1101	
	M 5:00pm - 7:00pm	TWS 1106	Lab

FILM301 **Cinema History I: The Silent Era**

FILM301 Cinema History I: The Silent Era; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ENGL245, FILM245, SLLC283, or FILM283; or permission of ARHU-College of Arts & Humanities. Examines the development of silent cinema from the 1890s to the early 1930s drawing on at least five distinct national traditions (French, German, Russian, British, and American). Introduces students to key cinematic conventions as they emerged around the world. Also offered as ENGL329G.

0101	Oliver Gaycken	Seats (Total: 30)	
	TuTh 2:00pm - 3:15pm	TWS 1106	
	Th 3:30pm - 5:30pm	TWS 0234	Lab

FILM343 **Hollywood Genres After 1970**

FILM343 Hollywood Genres After 1970; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: FILM283, ENGL245, FILM245, or SLLC283; or permission of ARHU-School of Languages, Literatures, and Cultures department. Credit only granted for: SLLC343 or FILM343. Introduction to contemporary Hollywood cinema.

0101	Luka Arsenjuk	Seats (Total: 30)
	TuTh 9:30am - 10:45am	TYD 1114
	Th 3:30pm - 6:00pm	HBK 0302H

FILM359M **Special Topics in Genres/Auteurs/Cinema Movements; Melodrama: Genre, Gender, and Value in Film**

FILM359M Special Topics in Genres/Auteurs/Cinema Movements: Melodrama: Genre, Gender, and Value in Film; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as ENGL468M. Prerequisite: One college-level English course in literature and at least one college-level film course, or permission of department.

0101	Marianne Conroy	Seats (Total: 25)
	TuTh 11:00am - 12:15pm	TWS 1106

FILM361 **Cinema and Globalization**

FILM361 Cinema and Globalization; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ENGL245, FILM245, SLLC283, or FILM283; or permission of ARHU-College of Arts & Humanities. Credit only granted for: SLLC361, FILM361, SLLC368G, or CMLT498C. Formerly: SLLC368G or CMLT498C. Introduction to cinema as a global phenomenon.

0101	Luka Arsenjuk Tu 2:00pm - 3:15pm Th 2:00pm - 3:15pm Tu 3:30pm - 6:00pm	Seats (Total: 30) HBK 0105 HBK 0302J HBK 0302H

FILM420 **French Cinema: A Cultural Approach**

FILM420 French Cinema: A Cultural Approach; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as: FREN480. Credit only granted for: FREN480, SLLC420, or FILM420. A study of French culture, civilization, and literature through the medium of film. Taught in English. Also offered as FREN499F for the Fall 2012 semester. Taught in French.

0101	Caroline Eades TuTh 3:30pm - 4:45pm	Seats (Total: 25) JMZ 3203

FILM426 **Modern Chinese Film and Visual Culture**

FILM426 Modern Chinese Film and Visual Culture; (3 credits) Grade Method: REG/P-F/AUD.
Credit only granted for: FILM426 or ARTH484; ARTH489F in F2012, F2011, F2008, or S2009; or ARTH488F in S2010, S2008, or F2009. Formerly: ARTH489F in F2012, F2011, F2008, or S2009; or ARTH488F in S2010, S2008, or F2009. Modern Chinese culture, society, and history studied through examples of art, film, and visual culture. Also offered as ARTH489F.

0101	Jason Kuo TuTh 12:30pm - 1:45pm	Seats (Total: 30) HBK 0302J

FILM430 **Critical Issues in Israeli Cinema**

FILM430 Critical Issues in Israeli Cinema; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as: HEBR430. Credit only granted for: HEBR430 or FILM430. Critical investigation of Zionist and Israeli culture and politics through film. Also offered as HEBR498C, JWST429J, or ISRL449K. Taught in English.

0101	Eric Zakim	Seats (Total: 30)
	TuTh 2:00pm - 3:15pm	PLS 1117

FMSC Family Science Fall 2012

FMSC110S **Families and Global Health**

FMSC110S Families and Global Health; (3 credits) Grade Method: REG/P-F/AUD. Restricted to Global Public Health Scholars only.

0101	Elisabeth Maring	Seats (Total: 80)
	TuTh 11:00am - 12:15pm	CCC 1205

FMSC260 **Couple Relationships**

FMSC260 Couple Relationships; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - History and Social Sciences.
Credit only granted for: FMSC260 or FMST260. Formerly: FMST260. Couple relationships and their alternatives in contemporary dating, courtship and marriage.

0101	Katie Hrapczynski	Seats (Total: 65)
	TuTh 2:00pm - 3:15pm	SPH 1303

FMSC290 **Family Economics**

FMSC290 Family Economics; (3 credits) Grade Method: REG/P-F/AUD.
Credit only granted for: FMSC290 or FMST290. Formerly: FMST290. Application of economic methodology to study families under various economic situations. Examination of how decisions about marriage, divorce, fertility, consumption and time use are influenced by labor/housing markets, tax structure, social welfare benefits and other economic considerations.

0101	Manouchehr Mokhtari	Seats (Total: 65)
	TuTh 5:00pm - 6:15pm	SPH 1303

FMSC298F **Future of Families: Issues and Controversies**

FMSC298F Future of Families: Issues and Controversies; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. GenEd: Distributive Studies - History and Social Sciences; Signature Courses - I-Series. Examinations of current trends and controversial issues in family life, including issues of marriage, reproductive technologies, adoption, child custody, remarriage, and marital violence.

FC01	Kimberly Van Putten-Garnder	Seats (Total: 50)
	MW 3:00pm - 4:15pm	SPH 1301
	Restricted to students in Freshman Connection.	

FMSC302 **Research Methods in Family Science**

FMSC302 Research Methods in Family Science; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - History and Social Sciences or Distributive Studies - Scholarship in Practice.
Prerequisite: Must have completed an introductory statistics course. Restriction: Must be in Family Science program. Credit only granted for: FMSC302 or FMST302. Formerly: FMST302. Introduction to the methods of the social and behavioral sciences employed in family science. The role of theory, the development of hypotheses, measurement, design, and data analysis.

0101	Lauren Doamekpor	Seats (Total: 75)
	TuTh 9:30am - 10:45am	SPH 1303

FMSC330 **Family Theories and Patterns**

FMSC330 Family Theories and Patterns; (3 credits) Grade Method: REG/AUD. GenEd: Distributive Studies - History and Social Sciences; Diversity - Understanding Plural Societies.
Restriction: Junior standing or higher. Credit only granted for: FMSC330 or FMST330. Formerly: FMST330. Theory and research on the family, including a cross-cultural analysis of family patterns.

0101	Robyn Zeiger	Seats (Total: 60)
	TuTh 9:30am - 10:45am	SPH 1301

0201	Patricia Fanflik TuTh 2:00pm - 3:15pm	Seats (Total: 60) SPH 1301
0301	Mia Smith-Bynum TuTh 11:00am - 12:15pm	Seats (Total: 49) SPH 0302

FMSC332 **Children in Families**

FMSC332 Children in Families; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - History and Social Sciences.
Prerequisite: PSYC100 or FMSC105. Credit only granted for: FMSC332 or FMST332. Formerly: FMST332. A family life education approach to the study of children and families. Emphasis on the interaction of children with parents, siblings, extended kin, and the community.

0101	Lauren Messina TuTh 11:00am - 12:15pm	Seats (Total: 65) SPH 1303
0201	Tiffani Stevenson Lloyd MWF 12:00pm - 12:50pm	Seats (Total: 65) SPH 1303
0301	Christine Schull MWF 8:00am - 8:50am	Seats (Total: 65) SPH 1301

FMSC341 **Personal and Family Finance**

FMSC341 Personal and Family Finance; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Scholarship in Practice.
Credit only granted for: FMSC341 or FMST341. Formerly: FMST341. Individual and family financial strategies with emphasis on financial planning, savings, investments, insurance, income taxes, housing, and use of credit. Planning, analyzing, and controlling financial resources to resolve personal/family financial problems and to attain financial security.

0101	Manouchehr Mokhtari TuTh 6:30pm - 7:45pm	Seats (Total: 60) SPH 1301
0201	William Knight TuTh 11:00am - 12:15pm	Seats (Total: 49) SPH 0308

FMSC381 **Poverty, Affluence, and Families**

FMSC381 Poverty, Affluence, and Families; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course. GenEd: Distributive Studies - History and Social Sciences; Diversity - Understanding Plural Societies.
Prerequisite: SOCY100 or SOCY105. Credit only granted for: FMSC381 or FMST381. Formerly: FMST381. Social, political, cultural and economic factors influencing income and wealth in American families.

0101	Kevin Roy MWF 9:00am - 9:50am	Seats (Total: 60) SPH 1303
0201	Damian Waters TuTh 3:30pm - 4:45pm	Seats (Total: 60) SPH 1301
SG91	Shinta Hernandez W 9:00am - 11:50am *This section meets at the Shady Grove Campus.*	Seats (Total: 35) BLD3 3219

FMSC383 **Delivery of Human Services to Families**

FMSC383 Delivery of Human Services to Families; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: FMSC330. Credit only granted for: FMSC383 or FMST383. Formerly: FMST383. Processes of service delivery with special emphasis upon relationships among managers, service providers and clients. The impact of human service systems on families.

0101	Marian Jones MWF 11:00am - 11:50am	Seats (Total: 65) SPH 1303

FMSC399 **Independent Study**

FMSC399 *(PermReq)* **Independent Study; (1-6 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

FMSC431 **Family Crises and Intervention**

FMSC431 Family Crises and Intervention; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PSYC100. Credit only granted for: FMSC431 or FMST431. Formerly: FMST431. Family crises such as divorce, disability, substance abuse, financial problems, intra-familial abuse, and death. Theories and techniques for intervention and enhancement of family coping strategies.

0101	Robyn Zeiger TuTh 12:30pm - 1:45pm	Seats (Total: 65) SPH 1301

FMSC432 **Adult Development and Aging in Families**

FMSC432 Adult Development and Aging in Families; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PSYC100; and (SOCY100 or SOCY105). And FMSC332; or Must have completed a comparable development course. Credit only granted for: FMSC432 or FMST432. Formerly: FMST432. Theory, research, history, and programming related to adult development and aging in the intergenerational context of family.

0101	Jacqueline Wallen MWF 10:00am - 10:50am	Seats (Total: 40) SPH 0308
0201	Jacqueline Wallen MWF 12:00pm - 12:50pm	Seats (Total: 40) SPH 0302

FMSC460 **Violence in Families**

FMSC460 Violence in Families; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - History and Social Sciences; Diversity - Understanding Plural Societies.
Prerequisite: SOCY100, SOCY105, or PSYC100. Credit only granted for: FMSC460 or FMST460. Formerly: FMST460. Theories of child, spouse, and elder abuse in the family setting. Emphasis on historical, psychological, sociological and legal trends relating to physical, emotional, and sexual abuse. Introduction to methods for prevention and remediation.

0101	Christine Schull MWF 9:00am - 9:50am	Seats (Total: 65) SPH 1301

FMSC477 **Internship and Analysis in Family Science**

FMSC477 *(PermReq)* **Internship and Analysis in Family Science; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: FMSC383; and 9 credits in FMSC courses; and permission of SPHL-Family Science department. Restriction: Must be in a major within SPHL-Family Science department. Credit only granted for: FMSC477, FMST347, or FMST477. Formerly: FMST477. A supervised internship and a seminar requiring analysis. Opportunities to integrate theory and practice including 120 hours of contracted field experience. Summer or fall internship contracts due May 1; Spring contracts due December 1. See department for application procedures.

0101	Sherylls Kahn W 3:30pm - 5:00pm Contact instructor or department for details.	Seats (Total: 50) SPH 0302
0201	Sally Koblinsky W 3:30pm - 5:00pm Contact instructor or department for details.	Seats (Total: 20) Location: TBA

FMSC487 **Legal Aspects of Family Problems**

FMSC487 Legal Aspects of Family Problems; (3 credits) Grade Method: REG/P-F/AUD.
Credit only granted for: FMSC487 or FMST487. Formerly: FMST487. Laws and legal procedures, with emphasis on adoption, marriage, divorce, annulment, and property rights, and how they affect family life.

0101	Kerry Tripp TuTh 9:30am - 10:45am	Seats (Total: 55) SPH 1302
0201	Kerry Tripp TuTh 12:30pm - 1:45pm	Seats (Total: 55) SPH 1302

FMSC498 **Special Topics: Family Science; Family Studies**

FMSC498 *(PermReq)* **Special Topics: Family Science: Family Studies; (1-3 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

FMSC498A **Special Topics: Family Science; Maternal, Child and Family Health**

FMSC498A Special Topics: Family Science: Maternal, Child and Family Health; (3 credits) Grade Method: REG/P-F/AUD.

0101	Marian Jones	Seats (Total: 45)
	MWF 9:00am - 9:50am	SPH 0302

FMSC498D **Special Topics: Family Science; Credit Cards and College Students**

FMSC498D Special Topics: Family Science: Credit Cards and College Students; (1 credit) Grade Method: REG/P-F/AUD.
Topics will include financial goals, spending plan, wise use of credit, debt management, consumer credit protection, and ID Theft. Online lessons will include video clips and interactive class activities. Students will learn the basics to build a strong financial future.

FC01	Jinhee Kim	Seats (Total: 55)
	Meets October 24, 2012 - December 7, 2012	
	Class time/details on ELMs	ONLINE
	Restricted to students in Freshmen Connection.	

FMSC498H **Special Topics: Family Science; Family Studies Honors Thesis**

FMSC498H *(PermReq)* **Special Topics: Family Science: Family Studies Honors Thesis; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

FMSC600 **Family Theories**

FMSC600 Family Theories; (3 credits) Grade Method: REG/AUD.
Credit only granted for: FMSC600 or FMST600. Formerly: FMST600. An overview of the theoretical frameworks underlying research on the family. Survey of research findings.

0101	Kevin Roy	Seats (Total: 15)
	Th 9:00am - 11:45am	CSS 0201

FMSC606 **Ethnic Families and Health Disparities**

FMSC606 Ethnic Families and Health Disparities; (3 credits) Grade Method: REG/AUD.
Credit only granted for: FMSC606 or FMST606. Formerly: FMST606. Historical, psychosocial, economic, and political factors influencing the structure and functioning of ethnic families. Overview of racial and ethnic health disparities over the life course and ways in which they are influenced by multi-level contextual factors.

0101	Mia Smith-Bynum Th 2:00pm - 4:45pm	Seats (Total: 15) Location: TBA

FMSC640 **Family Therapy: Theory and Techniques**

FMSC640 *(PermReq)* **Family Therapy: Theory and Techniques; (3 credits)** Grade Method: REG/AUD.
Credit only granted for: FMSC640 or FMST640. Formerly: FMST640. Overview of fundamental theoretical concepts and clinical procedures in marital and family therapy, with an emphasis on those therapies which operate from a family systems perspective.

0101	Carol Werlinich M 10:00am - 12:45pm	Seats (Total: 11) Location: TBA

FMSC641 **Couples Therapy, Theory, and Techniques**

FMSC641 Couples Therapy, Theory, and Techniques; (3 credits) Grade Method: REG.
Prerequisite: FMSC640. Credit only granted for: FMSC641 or FMSC641. Formerly: FMST641. Overview of theoretical models of couple relationships and methods of facilitating growth and interaction within those relationships. Emphasis on couples with conflicting needs and expectations, and dysfunctional communication and conflict negotiation skills.

0101	Norman Epstein Th 2:00pm - 4:45pm	Seats (Total: 15) Location: TBA

FMSC642 **Normal and Abnormal Individual and Family Development**

FMSC642 *(PermReq)* **Normal and Abnormal Individual and Family Development; (3 credits)** Grade Method: REG/AUD.
Prerequisite: FMSC640. Credit only granted for: FMSC642 or FMST642. Formerly: FMST642. Normal development and psychopathology in the family system. Emphasis on parent-child relationships and application of the current Diagnostic and Statistical Manual of Mental Disorders (DSM) to family therapy.

0101	Katie Hrapczynski Th 9:00am - 11:45am	Seats (Total: 15) Location: TBA

FMSC650 **Ethical, Legal, and Professional Principles in Marriage and Family Therapy**

FMSC650 *(PermReq)* **Ethical, Legal, and Professional Principles in Marriage and Family Therapy; (3 credits)** Grade Method: REG/AUD.
Prerequisite: Permission of SPHL-Family Science department. Restriction: Must be in Couple and Family Therapy (Master's) program. Credit only granted for: FMSC650 or FMST650. Formerly: FMST650. An introduction to the basic principles and practices of family therapy. Emphasis on basic therapy skills applied to a family context and on professional ethics of the family practitioner. Addresses therapist's legal responsibilities and liabilities, certification, and licensure issues.

0101	Norman Epstein Tu 9:00am - 11:45am	Seats (Total: 25) Location: TBA

FMSC652 **Diagnosis and Treatment of Mental and Emotional Disorders in Family Systems**

FMSC652 Diagnosis and Treatment of Mental and Emotional Disorders in Family Systems; (3 credits) Grade Method: REG/AUD.
Prerequisite: FMSC651. Restriction: Must be in Couple and Family Therapy (Master's) program. Credit only granted for: FMSC652 or FMST652. Formerly: FMST652. Systematic assessment, diagnosis, and treatment of mental and emotional disorders in couples and families. Utilization and critique of the current Diagnostic Statistical Manual Disorders (DSM).

0101	Leigh Leslie Tu 9:00am - 11:45am	Seats (Total: 20) Location: TBA

FMSC658 **Supervised Clinical Practice of Marriage and Family Therapy**

FMSC658 *(PermReq)* **Supervised Clinical Practice of Marriage and Family Therapy; (1-2 credits)** Grade Method: REG/AUD.
Prerequisite: FMST 650 and permission of instructor.

0101	Norman Epstein	Seats (Total: 20)
	W 9:00am - 12:00pm	Location: TBA

FMSC660 **Program Planning and Evaluation in Family Studies**

Contact department for information to register for this course.

FMSC689 **Independent Study**

FMSC689 *(PermReq)* **Independent Study; (3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

FMSC698 **Advanced Topics in Family Science**

FMSC698 *(PermReq)* **Advanced Topics in Family Science; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Must have written permission of faculty member and chairperson.

Contact department for information to register for this course.

FMSC699 **Independent Study**

FMSC699 *(PermReq)* **Independent Study; (1-6 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

FMSC710 **Current Topics in Maternal and Child Health**

FMSC710 *(PermReq)* **Current Topics in Maternal and Child Health; (3 credits)** Grade Method: REG/AUD.
Credit only granted for: FMSC710 or FMST710. Formerly: FMST710. Survey of current issues and key topics in maternal and child health. Introduction to the models of desease causation and the historical contexts that gave rise to these approaches to the promotion of Maternal and Child Health.

0101	Edmond Shenassa Tu 11:00am - 1:45pm	Seats (Total: 10) Location: TBA

FMSC720 **Study Design in Maternal Child Health Epidemiology**

FMSC720 *(PermReq)* **Study Design in Maternal Child Health Epidemiology; (3 credits)** Grade Method: REG/AUD.
Prerequisite: EPIB650, EPIB610, and EPIB611. Recommended: FMSC710. Also offered as: EPIB612. Credit only granted for: EPIB612 or FMSC720. A detailed survey of key epidemiologic study designs provided through readings, lectures, and exercises. Lectures begin by considering the evolution of epidemiologic thought and parallel developments in design of epidemiologic studies. Topics covered include assessment of causality in observational studies, investigation of acute outbreaks, survey design, cohort and case-control study designs, clinical randomized trials, and discussion of issues pertaining to measurement error in the assessment of exposures and outcomes in epdemiologic studies.

0101	Edmond Shenassa Tu 3:00pm - 5:45pm	Seats (Total: 15) SPH 0301

FMSC750 **Family and Health Policy**

FMSC750 Family and Health Policy; (3 credits) Grade Method: REG/AUD.
Credit only granted for: FMSC750 or FMST750. Formerly: FMST750. Development and analysis of public policies affecting the health and well-being of children, youth, and families, with an emphasis on low income and ethnic minority populations. Examiniation of social, economic, and political dynamics that influence family and health policies and the delivery of health care. Introduction to health advocacy within the US public health system.

0101	Elaine Anderson M 9:30am - 12:15pm	Seats (Total: 15) Location: TBA

FMSC789 **Non-Thesis Research**

FMSC789 *(PermReq)* **Non-Thesis Research; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

FMSC799 **Master's Thesis Research**

FMSC799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
Must have written permission of faculty member and chairperson.

Contact department for information to register for this course.

FMSC850 **Maternal & Child Health Epidemiology**

FMSC850 *(PermReq)* **Maternal & Child Health Epidemiology; (3 credits)** Grade Method: REG/AUD.
Restriction: Permission of instructor. Credit only granted for: FMSC850, FMST698P, or FMST850. Formerly: FMST850. Determinants and trends in Maternal and Child Health, including analysis of the role of economic inequalities, race and ethnicity, community contexts, and psychosocial factors across the life course. Overview of methods and data systems used to monitor Maternal and Child Health. Development of a complete population health study.

0101	Sandra Hofferth	Seats (Total: 15)
	M 2:00pm - 4:45pm	Location: TBA

FMSC898 **Pre-Candidacy Research**

FMSC898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

FMSC899 **Doctoral Dissertation Research**

FMSC899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

FOLA Foreign Language Fall 2012

FOLA138R **Directed Study of a Foreign Language I; Turkish I**

FOLA138R *(PermReq)* **Directed Study of a Foreign Language I: Turkish I; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Naime Yaramanoglu	Seats (Total: 5)	
	F 12:00pm - 2:00pm	JMZ 3122	
	Contact instructor or department for details.		
0201	Naime Yaramanoglu	Seats (Total: 1)	
	Contact instructor or department for details.		
	Contact instructor or department for details.		

FOLA139R **Directed Study of a Foreign Language II; Elementary Turkish II**

FOLA139R *(PermReq)* **Directed Study of a Foreign Language II: Elementary Turkish II; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: FOLA 138R or consent of program director.

0101	Naime Yaramanoglu	Seats (Total: 3)	
	Tu 9:00am - 10:00am	JMZ 1122	Lab
	Tu 2:00pm - 3:00pm	JMZ 3122	Lab
	Contact instructor or department for details.		

FOLA148R **Directed Study of a Foreign Language III; Turkish III**

FOLA148R *(PermReq)* **Directed Study of a Foreign Language III: Turkish III; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: FOLA 139R or FOLA 158R or consent of program director.

0101	Naime Yaramanoglu	Seats (Total: 3)	
	W 10:00am - 11:00am	JMZ 3122	Lab
	Contact instructor or department for details.		
	Contact instructor or department for details.		

FOLA149R **Directed Study of a Foreign Language IV; Intermediate Turkish**

FOLA149R *(PermReq)* **Directed Study of a Foreign Language IV: Intermediate Turkish; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: FOLA148R or consent of program director.

0101	Naime Yaramanoglu	Seats (Total: 2)	
	Contact instructor or department for details.		
	Contact instructor or department for details.		

FOLA158R **Directed Study of a Foreign Language (Intensive) I; Elementary Turkish I (Intensive)**

FOLA158R *(PermReq)* **Directed Study of a Foreign Language (Intensive) I: Elementary Turkish I (Intensive); (6 credits)** Grade Method: REG/P-F/AUD.

0101	Naime Yaramanoglu	Seats (Total: 3)	
	F 2:00pm - 4:30pm	JMZ 1123	Lab
	Contact instructor or department for details.		

FOLA158X **Directed Study of a Foreign Language (Intensive) I; Elementary Urdu (Intensive)**

FOLA158X *(PermReq)* **Directed Study of a Foreign Language (Intensive) I: Elementary Urdu (Intensive); (6 credits)** Grade Method: REG/P-F/AUD.
Students may register for FOLA 158X or 158P, not both.

0101	Naime Yaramanoglu	Seats (Total: 9)	
	W 6:30pm - 9:30pm	JMZ 1123	Lab
	Contact instructor or department for details.		

FOLA159R **Directed Study of a Foreign Language (Intensive) II; Intermediate Turkish**

FOLA159R *(PermReq)* **Directed Study of a Foreign Language (Intensive) II: Intermediate Turkish; (6 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: FOLA158R or consent of program director.

0101	Naime Yaramanoglu	Seats (Total: 2)	
	Contact instructor or department for details.		
	Contact instructor or department for details.		

FOLA159X **Directed Study of a Foreign Language (Intensive) II; Intermediate Urdu**

FOLA159X *(PermReq)* **Directed Study of a Foreign Language (Intensive) II: Intermediate Urdu; (6 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: FOLA 158X or 158P or 139P or consent of program director.

0101	Naime Yaramanoglu Th 6:30pm - 9:30pm Contact instructor or department for details.	Seats (Total: 9) JMZ 1123	Lab

FOLA386 **Experiential Learning**

FOLA386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F.
Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: Permission of ARHU-School of Languages, Literatures, and Cultures department. Restriction: Junior standing or higher.

Contact department for information to register for this course.

FREN French Fall 2012

FREN103 **Intensive Elementary French**

FREN103 Intensive Elementary French; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Must have appropriate Foreign Language Placement Test (FLPT) score. Restriction: Must not have completed FREN101 or FREN102; and Must not be a native/fluent speaker of French. Credit only granted for: FREN102 or FREN103.
Covers speaking, reading, writing, listening, and culture of French-speaking world.

0201	Mary Scullen MWF 10:00am - 10:50am Tu 10:00am - 10:50am	Seats (Total: 25) JMZ 2206 JMZ 2122	
0301	Khady Diene MWF 11:00am - 11:50am Tu 11:00am - 11:50am	Seats (Total: 25) PLS 1146 ASY 3219	
0401	Danica Hawkins MWF 12:00pm - 12:50pm Tu 12:00pm - 12:50pm	Seats (Total: 25) JMZ 2122 JMZ 0208	

0501	Alexandra Philipon MWF 1:00pm - 1:50pm Tu 1:00pm - 1:50pm	Seats (Total: 25) PLS 1168 JMZ 0208

FREN203 **Intensive Intermediate French**

FREN203 Intensive Intermediate French; (4 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
Prerequisite: FREN103; or must have appropriate Foreign Language Placement Test (FLPT) score. Restriction: Must not be a native/fluent speaker of French. Credit only granted for: FREN201 or FREN203. Covers speaking, reading, writing, listening, and culture of French-speaking world.

0101	Shannon Mauro MWF 9:00am - 9:50am Tu 9:00am - 9:50am	Seats (Total: 25) JMZ 1117 JMZ 2122
0201	Shannon Mauro MWF 11:00am - 11:50am Tu 11:00am - 11:50am	Seats (Total: 25) JMZ 0205 JMZ 1120
0301	Hannah Wegmann MWF 12:00pm - 12:50pm Tu 12:00pm - 12:50pm	Seats (Total: 25) JMZ 1117 JMZ 0122
0401	Hannah Wegmann MWF 1:00pm - 1:50pm Tu 1:00pm - 1:50pm	Seats (Total: 25) JMZ 3205 JMZ 1215

FREN204 **French Grammar and Composition**

FREN204 French Grammar and Composition; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
Prerequisite: FREN201 or FREN203; or must have appropriate Foreign Language Placement Test (FLPT) score. Restriction: Not open to native/fluent speakers of French. Intensive study of French grammar and composition.

0101	Cecile Ruel MWF 10:00am - 10:50am	Seats (Total: 25) JMZ 3120

0201	Cecile Ruel MWF 11:00am - 11:50am	Seats (Total: 25) JMZ 3120
0301	Kristen Gunderson MWF 12:00pm - 12:50pm	Seats (Total: 25) JMZ 3120
0401	Kristen Gunderson MWF 1:00pm - 1:50pm	Seats (Total: 25) JMZ 3120

FREN211 **French Reading and Conversation**
Contact department for information to register for this course.

FREN242 **Francophone Writers of Africa and the African Diaspora**

FREN242 Francophone Writers of Africa and the African Diaspora; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - Humanities; Diversity - Understanding Plural Societies.
An analysis of the works and ideas of 20th and 21st century Francophone writers (Africa, the Caribbeans, France). Taught in English.

0101	Valerie Orlando TuTh 11:00am - 12:15pm	Seats (Total: 30) JMZ 0125

FREN250 **Introduction to Cultural and Textual Analysis**

FREN250 Introduction to Cultural and Textual Analysis; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course.
Prerequisite: FREN204; or students who have taken courses with similar or comparable course content may contact the department. Restriction: Must not be a native/fluent speaker of French. Credit only granted for: FREN250 or FREN250H.
Introduction to cultural and textual analysis of selected readings from various genres in French literature. Taught in French. Also offered as FREN 250H.

0101	Phuong Hoang MWF 10:00am - 10:50am	Seats (Total: 25) JMZ 0118
0201	Phuong Hoang MWF 11:00am - 11:50am	Seats (Total: 25) JMZ 0118

FREN250H **Introduction to Cultural and Textual Analysis**

FREN250H Introduction to Cultural and Textual Analysis; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course.
Prerequisite: FREN204; or students who have taken courses with similar or comparable course content may contact the department. Restriction: Must not be a native/fluent speaker of French. Credit only granted for: FREN250 or FREN250H. Introduction to cultural and textual analysis of selected readings from various genres in French literature. Taught in French. For general honors students only. Also offered as FREN 250.

0101	Phuong Hoang MWF 10:00am - 10:50am	Seats (Total: 25) JMZ 0118
0201	Phuong Hoang MWF 11:00am - 11:50am	Seats (Total: 25) JMZ 0118

FREN269F **Special Topics in Study Abroad II; French Conversation I**
Contact department for information to register for this course.

FREN269G **Special Topics in Study Abroad II; French Conversation**
Contact department for information to register for this course.

FREN269P **Special Topics in Study Abroad II; Perspectives on Contemporary France**
Contact department for information to register for this course.

FREN301 **Composition and Style**

FREN301 Composition and Style; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: FREN250; or students who have taken courses with similar or comparable course content may contact the department. Restriction: Must not be a native/fluent speaker of French. Grammatical analysis, elements of style; range of written genres.

0101	Karen Casebier TuTh 12:30pm - 1:45pm	Seats (Total: 20) JMZ 2117
0201	Karen Casebier MWF 1:00pm - 1:50pm	Seats (Total: 20) JMZ 2122

FREN302 **Translation: French to English**

FREN302 Translation: French to English; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: FREN301; or students who have taken courses with similar or comparable course content may contact the department. Practicum in translation primarily from French to English; contrastive analysis.

0201	Karen Casebier	Seats (Total: 20)
	TuTh 9:30am - 10:45am	JMZ 2123

FREN303 **Translation: English to French**

FREN303 Translation: English to French; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: FREN301; or students who have taken courses with similar or comparable course content may contact the department. Practicum in translation primarily from English to French; contrastive analysis.

0101	Elena Lozinsky	Seats (Total: 20)
	TuTh 12:30pm - 1:45pm	JMZ 3205

FREN306 **Commercial French I**
Contact department for information to register for this course.

FREN311 **Advanced Oral Expression**
Contact department for information to register for this course.

FREN312 **France Today**

FREN312 France Today; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: FREN301; or students who have taken courses with similar or comparable course content may contact the department. Restriction: Must not be a native/fluent speaker of French. Analysis and discussion of current events and institutions using various French media resources.

0101	Cybele Arnaud	Seats (Total: 25)
	MWF 10:00am - 10:50am	JMZ 0205

FREN351 **From Romanticism to the Age of Modernism and Beyond**

FREN351 From Romanticism to the Age of Modernism and Beyond; (3 credits)
Grade Method: REG/P-F/AUD.
Prerequisite: FREN301; or students who have taken courses with similar or comparable course content may contact the department. A survey of the chief authors and major movements of French literature from Pre-Romanticism to the present. Also offered as FREN 351H.

0101	Erica Cefalo	Seats (Total: 25)
	TuTh 11:00am - 12:15pm	JMZ 3120

FREN351H **From Romanticism to the Age of Modernism and Beyond**

FREN351H From Romanticism to the Age of Modernism and Beyond; (3 credits)
Grade Method: REG/P-F/AUD.
Prerequisite: FREN301; or students who have taken courses with similar or comparable course content may contact the department. A survey of the chief authors and major movements of French literature from Pre-Romanticism to the present. Also offered as FREN351.

0101	Erica Cefalo	Seats (Total: 25)
	TuTh 11:00am - 12:15pm	JMZ 3120

FREN352 **From the Age of Epic and Romance to the Enlightenment**
Contact department for information to register for this course.

FREN369F **Special Topics in Study Abroad III; Third Year French I**
Contact department for information to register for this course.

FREN369G **Special Topics in Study Abroad III; Third-Year French II**
Contact department for information to register for this course.

FREN369Y **Special Topics in Study Abroad III; Fourth-Year French I**
Contact department for information to register for this course.

FREN386 **Experiential Learning**

FREN386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: Permission of ARHU-School of Languages, Literatures, and Cultures department. Restriction: Junior standing or higher.

Contact department for information to register for this course.

FREN399 **Directed Study in French**

FREN399 *(PermReq)* **Directed Study in French; (1-3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
Supervised work under professor of student's choice with permission of instructor. Contact department for details.

Contact department for information to register for this course.

FREN399A **Directed Study in French**
Contact department for information to register for this course.

FREN401 **Writing with Style**
Contact department for information to register for this course.

FREN472 **The Construction of French Identity II: From the Revolution to the Early Twentieth Century**

FREN472 The Construction of French Identity II: From the Revolution to the Early Twentieth Century; (3 credits) Grade Method: REG/P-F/AUD.
French life, customs, culture, traditions (1750 to the early twentieth century). Taught in French.

0101	Sarah Benharrech	Seats (Total: 25)
	TuTh 2:00pm - 3:15pm	JMZ 3120

FREN495H **Honors Thesis Research**

FREN495H *(PermReq)* **Honors Thesis Research; (3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Restriction: Must be admitted to the departmental honors program. The writing of a paper under the direction of a professor in this department and an oral examination. Required to fulfill the departmental honors requirement.

Contact department for information to register for this course.

FREN498E **Special Topics in French Literature; Masterpieces of French Literature**

FREN498E Special Topics in French Literature: Masterpieces of French Literature; (3 credits) Grade Method: REG/P-F/AUD.
Taught in French.

0101	Joseph Brami	Seats (Total: 25)
	MW 2:00pm - 3:15pm	JMZ 2125

FREN499F **Special Topics in French Studies; French Cinema: A Cultural Approach**

FREN499F Special Topics in French Studies: French Cinema: A Cultural Approach; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as FILM420. Taught in French.

0101	Caroline Eades	Seats (Total: 25)
	TuTh 3:30pm - 4:45pm	JMZ 3203

FREN649G **Special Topic in Eighteenth Century French Literature; Literature of Science: French Enlightenment**

FREN649G Special Topic in Eighteenth Century French Literature: Literature of Science: French Enlightenment; (3 credits) Grade Method: REG/AUD.

0101	Sarah Benharrech	Seats (Total: 10)
	Tu 4:30pm - 7:00pm	JMZ 0205

FREN689F **Seminar in a Great Literary Figure; Proust: In Search of Lost Time**

FREN689F Seminar in a Great Literary Figure: Proust: In Search of Lost Time; (3 credits) Grade Method: REG/AUD.

0101	Joseph Brami W 4:30pm - 7:00pm	Seats (Total: 10) JMZ 3205

FREN699T **Seminar; Advanced Translation: Theory and Practice**

FREN699T Seminar: Advanced Translation: Theory and Practice; (3 credits) Grade Method: REG/AUD.

0101	Lauretta Clough Th 4:30pm - 7:00pm	Seats (Total: 10) JMZ 3106

FREN798 **Master's Independent Study**

FREN798 *(PermReq)* **Master's Independent Study; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

FREN799 **Master's Thesis Research**

FREN799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

FREN889 **Doctoral Independent Study**

FREN889 *(PermReq)* **Doctoral Independent Study; (3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

FREN898 **Pre-Candidacy Research**

FREN898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

FREN899 **Doctoral Dissertation Research**

FREN899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

GEMS Gemstone Fall 2012

GEMS100 **Freshman Honors Colloquium: Introduction to Gemstone**

GEMS100 Freshman Honors Colloquium: Introduction to Gemstone; (1 credit) Grade Method: REG.
Restriction: Freshman standing; and Must be in the Gemstone program. Orienting new Gemstone students to the university and to the program through a variety of team building activities, resources, and skill exploration exercises. Students will also examine and discuss areas such as liberal education, diversity, service, arts, current events, academic integrity, and leadership style. These classes are scheduled in the Ellicott building.

0101	Leah Kreimer Tobin M 10:00am - 11:30am	Seats (Total: 11) ELL 0100A
0201	Leah Kreimer Tobin M 2:30pm - 4:00pm	Seats (Total: 11) ELL 0100B
0301	Leah Kreimer Tobin M 3:15pm - 4:45pm	Seats (Total: 11) ELL 0100A
0401	Leah Kreimer Tobin Tu 1:00pm - 2:30pm	Seats (Total: 11) ELL 0100A
0501	Leah Kreimer Tobin Tu 1:30pm - 3:00pm	Seats (Total: 11) ELL 0100B
0601	Leah Kreimer Tobin Tu 2:30pm - 4:00pm	Seats (Total: 11) ELL 0100C
0701	Leah Kreimer Tobin Tu 4:00pm - 5:30pm	Seats (Total: 11) ELL 0100A
0801	Leah Kreimer Tobin W 10:00am - 11:30am	Seats (Total: 11) ELL 0100A

0901	Leah Kreimer Tobin W 11:15am - 12:45pm	Seats (Total: 11) ELL 0100B
1001	Leah Kreimer Tobin W 2:00pm - 3:30pm	Seats (Total: 11) ELL 0100A
1101	Leah Kreimer Tobin W 3:30pm - 5:00pm	Seats (Total: 11) ELL 0100B
1201	Leah Kreimer Tobin W 5:00pm - 6:30pm	Seats (Total: 11) ELL 0100A
1301	Leah Kreimer Tobin Th 11:00am - 12:30pm	Seats (Total: 11) ELL 0100A
1401	Leah Kreimer Tobin Th 12:00pm - 1:30pm	Seats (Total: 11) ELL 0100B
1501	Leah Kreimer Tobin Th 2:00pm - 3:30pm	Seats (Total: 12) ELL 0100A
1601	Leah Kreimer Tobin, Courtney Swaim Th 6:00pm - 7:30pm	Seats (Total: 11) ELL 0100A
1701	Leah Kreimer Tobin F 1:30pm - 3:00pm	Seats (Total: 11) ELL 0100A
1801	Leah Kreimer Tobin F 12:30pm - 2:00pm	Seats (Total: 11) ELL 0100B

GEMS202 **Team Dynamics and Research Methodology**

GEMS202 Team Dynamics and Research Methodology; (2 credits) Grade Method: REG. GenEd: Distributive Studies - Scholarship in Practice.
Prerequisite: GEMS100, GEMS102, and GEMS104. Corequisite: Concurrently enrolled in GEMS296. Restriction: Must be in the Gemstone program; and Sophomore standing or higher. This experiential course is designed to foster an understanding of effective team dynamics and basic research methodology. It will teach skills applicable to Gemstone team research and the writing of a team thesis. Upperclass Gemstone students serve as discussion facilitators. Students participate in their Gemstone teams and develop a draft of their team thesis proposal.

0101	Kristan Skendall	Seats (Total: 171)
	Th 3:20pm - 5:00pm	EGR 1202

GEMS208A **Special Topics in Leadership and Team Development; Team Dynamics and Research Methodology: First Time Section Leader**

GEMS208A Special Topics in Leadership and Team Development: Team Dynamics and Research Methodology: First Time Section Leader; (1-3 credits) Grade Method: REG.

0101	Heather Creek	Seats (Total: 12)
	Contact instructor or department for details.	

GEMS208B **Special Topics in Leadership and Team Development; Team Dynamics and Research Methodology: Returner Section Leader**

GEMS208B Special Topics in Leadership and Team Development: Team Dynamics and Research Methodology: Returner Section Leader; (1-3 credits) Grade Method: REG.

0101	Heather Creek	Seats (Total: 12)
	Contact instructor or department for details.	

GEMS208C **Special Topics in Leadership and Team Development; Introduction to Gemstone: First Time Section Leader**

GEMS208C Special Topics in Leadership and Team Development: Introduction to Gemstone: First Time Section Leader; (1-3 credits) Grade Method: REG/AUD. These classes are scheduled in the Ellicott building.

0101	Leah Kreimer Tobin Tu 11:00am - 11:50am	Seats (Total: 14) Location: TBA
0102	Leah Kreimer Tobin W 2:30pm - 3:20pm	Seats (Total: 14) Location: TBA
0103	Leah Kreimer Tobin Th 1:00pm - 1:50pm	Seats (Total: 14) Location: TBA
0104	Leah Kreimer Tobin Contact instructor or department for details.	Seats (Total: 14)

GEMS208D **Special Topics in Leadership and Team Development; Introduction to Gemstone: Returner Section Leader**

GEMS208D Special Topics in Leadership and Team Development: Introduction to Gemstone: Returner Section Leader; (1-3 credits) Grade Method: REG/AUD. These classes are scheduled in the Ellicott building.

0101	Leah Kreimer Tobin Tu 11:00am - 11:50am	Seats (Total: 14) Location: TBA
0102	Leah Kreimer Tobin W 2:30pm - 3:20pm	Seats (Total: 14) Location: TBA
0103	Leah Kreimer Tobin Th 1:00pm - 1:50pm	Seats (Total: 14) Location: TBA
0104	Leah Kreimer Tobin Contact instructor or department for details.	Seats (Total: 14)

GEMS296 **Team Project Seminar I**

GEMS296 Team Project Seminar I; (1 credit) Grade Method: REG. *Prerequisite: GEMS100, GEMS102, and GEMS104. Corequisite: Concurrently enrolled in GEMS202. Restriction: Must be in the Gemstone program with sophomore standing in a research team.* This is the first of six seminars during which Gemstone students carry out multidisciplinary research with the guidance of a faculty mentor. The teams develop their working relationship, start their literature search, define their research question, and set short & long term goals.

0101	Peter Kofinas Tu 4:00pm - 5:00pm Th 5:00pm - 6:00pm	Seats (Total: 14) Location: TBA Location: TBA
0102	John Fisher M 8:00am - 9:00am Th 5:00pm - 6:00pm	Seats (Total: 14) KEB 1200 PLS 1172
0103	Lance Yonkos Th 5:00pm - 6:00pm W 5:30pm - 6:30pm	Seats (Total: 14) MTH 0102 HBK 0105
0104	Ramalingam Chellappa Tu 8:00am - 9:00am Th 5:00pm - 6:00pm	Seats (Total: 14) Location: TBA MTH 0304
0105	Erica Glasper Andrews F 8:00am - 8:50am Tu 9:30pm - 10:30pm	Seats (Total: 14) BPS 1234 Location: TBA
0106	Bill Fagan M 6:00pm - 7:00pm Th 7:00pm - 8:00pm	Seats (Total: 14) Location: TBA Location: TBA
0201	Jeremy Munday F 4:00pm - 5:00pm W 7:00pm - 8:00pm	Seats (Total: 14) Location: TBA ELL 0100A
0202	Ben Woodard Th 5:00pm - 6:00pm M 6:00pm - 7:00pm	Seats (Total: 14) MTH 0403 JMZ 0120
0203	Andrew Ristvey Tu 5:00pm - 6:00pm Th 5:00pm - 6:00pm	Seats (Total: 14) MTH 0411 MTH 0411
0204	John Aloimonos W 5:45pm - 6:45pm	Seats (Total: 14) Location: TBA
0205	Bryan Quinn Th 5:00pm - 7:00pm	Seats (Total: 14) Location: TBA

0209	Leah Kreimer Tobin Contact instructor or department for details.	Seats (Total: 5)

GEMS396 **Team Project Seminar III**

GEMS396 Team Project Seminar III; (2 credits) Grade Method: REG. *Prerequisite: GEMS297. Restriction: Must be in the Gemstone program with junior standing in a research team.* This is the third of six seminars during which Gemstone students carry out interdisciplinary research with the guidance of a faculty mentor. The team presents its progress at the Gemstone Colloquia.

0101	Volker Briken M 8:00am - 8:50am W 4:00pm - 4:50pm	Seats (Total: 14) PLS 1158 PLS 1158
0102	Steven Hutcheson W 6:30pm - 7:30pm W 8:00am - 9:00am	Seats (Total: 14) JMZ 1120 Location: TBA
0103	Miao Yu M 5:00pm - 6:00pm Th 8:00pm - 9:00pm	Seats (Total: 14) Location: TBA JMZ 1103
0104	Richard Yi F 4:00pm - 5:00pm Su 8:00pm - 9:00pm	Seats (Total: 14) JMZ 0205 Location: TBA
0105	John Fisher W 4:00pm - 6:00pm	Seats (Total: 14) KEB 1200
0106	Pamela Abshire F 3:00pm - 5:00pm	Seats (Total: 14) Location: TBA
0201	Matthew Roesch Th 9:30am - 10:30am M 7:00pm - 8:00pm	Seats (Total: 14) BPS 1232 BPS 1234
0202	Andrew Lazur Tu 5:00pm - 6:00pm W 6:15pm - 7:15pm	Seats (Total: 14) PLS 1146 HBK 1108

0203	Aravind Srinivasan M 6:00pm - 7:00pm Th 6:30pm - 7:30pm	Seats (Total: 14) Location: TBA PLS 1158
0204	Peter Mallios Tu 4:00pm - 5:00pm F 2:00pm - 3:00pm	Seats (Total: 14) TWS 0234 TWS 1106
0205	Amr Baz M 6:30pm - 8:30pm	Seats (Total: 14) EGR 1110
0208	Leah Kreimer Tobin Contact instructor or department for details.	Seats (Total: 5)

GEMS496 **Project Writing Seminar**

GEMS496 Project Writing Seminar; (2 credits) Grade Method: REG. *Prerequisite: GEMS397. Restriction: Must be in the Gemstone program.* This is the fifth of six seminars during which Gemstone students carry out research with the guidance of a faculty mentor. The team finishes the analysis of their data and writes and edits its team thesis.

0101	Jeffrey Herrmann F 2:00pm - 3:00pm W 5:00pm - 6:00pm	Seats (Total: 14) EGR 1108 Location: TBA
0102	Jose Aranda-Espinoza W 4:00pm - 5:00pm F 3:00pm - 4:00pm	Seats (Total: 14) WDS 1127 EGR 1102
0103	Nam Sun Wang Th 6:30pm - 7:30pm F 3:00pm - 4:00pm	Seats (Total: 14) TYD 2110 TYD 2110
0104	Nadine Sahyoun W 3:30pm - 5:30pm	Seats (Total: 14) SKN 1112
0105	Stephanie Grutzmacher Tu 8:30am - 9:30am Th 6:00pm - 7:00pm	Seats (Total: 14) Location: TBA JMZ 2125

0106	Ioannis Bossis W 6:00pm - 7:00pm Su 8:00am - 9:00pm	Seats (Total: 14) Location: TBA Location: TBA
0201	Chunsheng Wang Th 3:50pm - 5:50pm	Seats (Total: 14) PLS 1158
0202	Steven Turley Su 5:00pm - 7:00pm	Seats (Total: 14) JMZ 1122
0203	Kislaya Prasad, Ritu Agarwal Th 5:30pm - 6:30pm M 6:45pm - 7:45pm	Seats (Total: 14) JMZ 0125 Location: TBA
0204	Michael Zachariah Th 4:00pm - 5:00pm Tu 8:00pm - 9:00pm	Seats (Total: 14) Location: TBA ANA 0103
0205	Brian Bequette W 6:30pm - 7:30pm F 11:00am - 12:00pm	Seats (Total: 14) JMZ 1103 ANS 0467
0206	Charles Carr M 4:30pm - 5:30pm W 6:00pm - 7:00pm	Seats (Total: 14) CHM 1224 CHE 2116
0207	David Tilley Th 9:00pm - 10:00pm W 8:00pm - 9:00pm	Seats (Total: 14) JMZ 1103 ANS 0402

GEOG Geographical Sciences Fall 2012

GEOG100 **Introduction to Geography**

GEOG100 Introduction to Geography; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. GenEd: Distributive Studies - History and Social Sciences.
An introduction to the broad field of geography as it is applicable to the general education student. The course presents the basic rationale of variations in human occupancy of the earth and stresses geographic concepts relevant to understanding world, regional and local issues.

0101	Keith Yearwood TuTh 9:30am - 10:20am F 11:00am - 11:50am	Seats (Total: 25) LEF 2205 LEF 1201	Discussion
0102	Keith Yearwood TuTh 9:30am - 10:20am F 9:00am - 9:50am	Seats (Total: 25) LEF 2205 HBK 1112	Discussion
0103	Keith Yearwood TuTh 9:30am - 10:20am F 10:00am - 10:50am	Seats (Total: 25) LEF 2205 KEY 0120	Discussion
0104	Keith Yearwood TuTh 9:30am - 10:20am F 12:00pm - 12:50pm	Seats (Total: 25) LEF 2205 KEY 0124	Discussion
0105	Keith Yearwood TuTh 9:30am - 10:20am F 12:00pm - 12:50pm	Seats (Total: 25) LEF 2205 LEF 1220	Discussion
0106	Keith Yearwood TuTh 9:30am - 10:20am F 10:00am - 10:50am	Seats (Total: 25) LEF 2205 LEF 1201	Discussion

GEOG110 **The World Today: Global Perspectives**

GEOG110 The World Today: Global Perspectives; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - History and Social Sciences; Diversity - Understanding Plural Societies.

The most critical issue facing the world today is the sustainability of both human and physical systems in the 21st century. This class uses the context of regions of the world to explore the 21st century issues of climate change, development, politics, economy, and demography. Each region will be used to highlight aspects of sustainability.

0101	Yang Yu TuTh 9:30am - 10:45am	Seats (Total: 25) LEF 1222	

GEOG130 **Developing Countries**

GEOG130 Developing Countries; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - History and Social Sciences.
An introduction to the geographic characteristics of the development problems and prospects of developing countries. Spatial distribution of poverty, employment, migration and urban growth, agricultural productivity, rural development, policies and international trade. Portraits of selected developing countries.

0201	Ronald Luna MW 10:00am - 10:50am F 9:00am - 9:50am	Seats (Total: 25) LEF 2205 LEF 1201	Discussion
0202	Ronald Luna MW 10:00am - 10:50am Th 9:30am - 10:20am	Seats (Total: 25) LEF 2205 LEF 1220	Discussion
0203	Ronald Luna MW 10:00am - 10:50am Th 9:30am - 10:20am	Seats (Total: 25) LEF 2205 LEF 1221	Discussion
0204	Ronald Luna MW 10:00am - 10:50am Th 11:00am - 11:50am	Seats (Total: 25) LEF 2205 LEF 1201	Discussion
0205	Ronald Luna MW 10:00am - 10:50am Th 11:00am - 11:50am	Seats (Total: 25) LEF 2205 SYM 0215	Discussion
0206	Ronald Luna MW 10:00am - 10:50am F 10:00am - 10:50am	Seats (Total: 25) LEF 2205 LEF 1222	Discussion
FC01	Ronald Luna TuTh 3:30pm - 4:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 35) LEF 1220	

GEOG140 Natural Disasters: Earthquakes, Floods, and Fires

GEOG140 Natural Disasters: Earthquakes, Floods, and Fires; (3 credits) Grade Method: REG/P-F/AUD. CORE Physical Science (PS) Course. GenEd: Distributive Studies - Natural Sciences; Signature Courses - I-Series.
Catastrophic Environmental Events (CCE) that are becoming more common in this time of global environmental change and it is essential that today's students be equipped with the knowledge and skills to be leaders as we, as a society, understand the upheaval that these CCEs are causing. Students will examine how CEEs shape human society and ecosystem from the interdisciplinary perspective afforded by the field of Geography. Students will use the latest geographic science concepts and techniques in exploring these events. Using satellite imagery they will gain a multi-scale perspective of the ecological and societal aspects of the events.

0101	Keith Yearwood MW 12:00pm - 12:50pm F 9:00am - 9:50am	Seats (Total: 25) LEF 2205 LEF 1222	 Discussion
0102	Keith Yearwood MW 12:00pm - 12:50pm Th 9:30am - 10:20am	Seats (Total: 25) LEF 2205 LEF 1201	 Discussion
0103	Keith Yearwood MW 12:00pm - 12:50pm Th 11:00am - 11:50am	Seats (Total: 25) LEF 2205 LEF 1221	 Discussion
0104	Keith Yearwood MW 12:00pm - 12:50pm F 11:00am - 11:50am	Seats (Total: 25) LEF 2205 LEF 1222	 Discussion
0105	Keith Yearwood MW 12:00pm - 12:50pm Th 12:00pm - 12:50pm	Seats (Total: 25) LEF 2205 LEF 1222	 Discussion

GEOG170 **Introduction to Methods of Geospatial Intelligence and Analysis**

GEOG170 Introduction to Methods of Geospatial Intelligence and Analysis; (3 credits) Grade Method: REG/P-F/AUD. CORE Mathematics or Formal Reasoning (MS) Course. GenEd: Distributive Studies - Natural Sciences.
Introduction to technical methods used in gathering, analyzing, and presenting geospatial information, addressing the needs of geospatial analysis, such as environmental monitoring, situational awareness, disaster management, and human systems. Topics include basics of locational reference systems, map projections, satellite and airborne remote sensing, global positioning systems, geographic information systems, cartography, and introductory statistics and probability. The course is a gateway to more advanced technical classes in geoinformatics.

0101	Paul Torrens MW 3:00pm - 3:50pm Th 9:00am - 11:00am	Seats (Total: 25) LEF 2205 LEF 1138	 Lab
0102	Paul Torrens MW 3:00pm - 3:50pm Th 1:00pm - 3:00pm	Seats (Total: 25) LEF 2205 LEF 1138	 Lab
0103	Paul Torrens MW 3:00pm - 3:50pm Tu 1:00pm - 3:00pm	Seats (Total: 25) LEF 2205 LEF 1136	 Lab
0104	Paul Torrens MW 3:00pm - 3:50pm W 11:00am - 1:00pm	Seats (Total: 25) LEF 2205 LEF 1136	 Lab
FC01	Robert Sohlberg MW 3:00pm - 4:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 30) SQH 1119	

GEOG201 **Geography of Environmental Systems**

GEOG201 Geography of Environmental Systems; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Natural Science Lab(if taken with GEOG211).
CORE Distributive Studies Physical Science Laboratory Course only when taken concurrently with GEOG 211. A systematic introduction to the processes and associated forms of the atmosphere and earth's surfaces emphasizing the interaction between climatology, hydrology and geomorphology.

0101	Keith Yearwood TuTh 12:30pm - 1:45pm	Seats (Total: 240) LEF 2205	

GEOG211 **Geography of Environmental Systems Laboratory**

GEOG211 Geography of Environmental Systems Laboratory; (1 credit) Grade Method: REG/P-F/AUD.
Prerequisite: Completed or be concurrently enrolled in GEOL120, GEOL100, or GEOG201. A laboratory course to accompany GEOG 201. Analysis of the components of the earth's energy balance using basic instrumentation; weather map interpretation; soil analysis; the application of map and air photo interpretation techniques to landform analysis. This is a 2 hr, 1 credit lab which parallels GEOG 201; Required for GEOG majors; optional for non-majors. Students must pay a $40.00 laboratory materials fee.

0101	Ahmad Khan M 9:00am - 11:00am	Seats (Total: 24) LEF 1136	Lab
0201	Ahmad Khan F 9:00am - 11:00am	Seats (Total: 24) LEF 1136	Lab
0301	Ashley Enrici M 11:00am - 1:00pm	Seats (Total: 24) LEF 1136	Lab
0401	Nayoung Jo Tu 9:00am - 11:00am	Seats (Total: 24) LEF 1136	Lab
0501	Ahmad Khan W 9:00am - 11:00am	Seats (Total: 24) LEF 1136	Lab
0601	Ashley Enrici M 9:00am - 11:00am	Seats (Total: 24) LEF 1138	Lab
0701	Ahmad Khan M 11:00am - 1:00pm	Seats (Total: 24) LEF 1138	Lab
0801	Ashley Enrici Tu 9:00am - 11:00am	Seats (Total: 24) LEF 1138	Lab

0901	Nayoung Jo Tu 11:00am - 1:00pm	Seats (Total: 24) LEF 1136	Lab
1001	Ashley Enrici Tu 11:00am - 1:00pm	Seats (Total: 24) LEF 1138	Lab

GEOG212 **Introduction to Human Geography Laboratory**

GEOG212 *(PermReq)* **Introduction to Human Geography Laboratory; (1 credit)** Grade Method: REG/P-F/AUD.
Prerequisite: Completed or be concurrently enrolled in GEOG202. Restriction: Must be in Geography program. Introduction to the basic methods and techniques employed in human geography.

0101	Vanessa Kirn M 9:00am - 11:00am	Seats (Total: 25) TYD 2102	Lab

GEOG306 **Introduction to Quantitative Methods for the Geographic Environmental Sciences**

GEOG306 Introduction to Quantitative Methods for the Geographic Environmental Sciences; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Fundamental Studies - Analytic Reasoning.
Credit only granted for: BIOM301, BMGT230, CCJS200, ECON321, EDMS451, GEOG306, GVPT422, PSYC200, or SOCY201. Essentials in the quantitative analysis of spatial and other data, with a particular emphasis on statistics and programming. Topics include data display, data description and summary, statistical inference and significance tests, analysis of variance, correlation, regression, and some advanced concepts, such as matrix methods, principal component analysis, and spatial statistics. Students will develop expertise in data analysis using advanced statistical software. There is a $40.00 lab fee for this course.

0101	Naijun Zhou TuTh 9:30am - 10:20am F 11:00am - 1:00pm	Seats (Total: 25) LEF 1124 LEF 1136	Lab
0102	Naijun Zhou TuTh 9:30am - 10:20am F 1:00pm - 3:00pm	Seats (Total: 25) LEF 1124 LEF 1136	Lab

GEOG310 **Maryland and Adjacent Areas**

GEOG310 Maryland and Adjacent Areas; (3 credits) Grade Method: REG/P-F/AUD.
Credit only granted for: GEOG310 or GEOG321. Formerly: GEOG321. The physical environment, natural resources, and population in relation to agriculture, industry, transport, and trade in the State of Maryland and adjacent areas.

0101	Allen Eney	Seats (Total: 30)
	MWF 2:00pm - 2:50pm	LEF 1201

GEOG312 **The United States and Canada**

GEOG312 The United States and Canada; (3 credits) Grade Method: REG/P-F/AUD.
Credit only granted for: GEOG312 or GEOG320. Formerly: GEOG320. The two countries as functioning geographic systems with important differences and key linkages. An examination of the cultural, environmental, and economic components and their spatial variation. Attention to the role of regions in national economies.

0101	Allen Eney	Seats (Total: 60)
	MWF 10:00am - 10:50am	LEF 2166

GEOG313 **Latin America**

GEOG313 Latin America; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course. GenEd: Distributive Studies - History and Social Sciences.
Credit only granted for: GEOG313 or GEOG323. Formerly: GEOG323. A geography of Latin America and the Caribbean in the contemporary world: political and cultural regions, population and resource distribution, historical development, current levels of economic and social well-being, urbanization, development policies, migration trends, physical features and climates.

0101	Ronald Luna	Seats (Total: 50)
	TuTh 9:30am - 10:45am	LEF 2166

GEOG328C **Topics in Regional Geography; Subsaharan Africa**

GEOG328C Topics in Regional Geography: Subsaharan Africa; (3 credits) Grade Method: REG/P-F/AUD.

0101	Matthew Hansen TuTh 12:30pm - 1:45pm	Seats (Total: 25) LEF 1201	

GEOG331 **Introduction to Human Dimensions of Global Change**

GEOG331 Introduction to Human Dimensions of Global Change; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ANTH220, ANTH260, GEOG202, or GEOG201; or permission of BSOS-Geography department. Credit only granted for: GEOG331 or GEOG361. Formerly: GEOG361. Introduction to global-scale interrelationship between human beings and the environment. The development of global issues including but not limited to the environment, food, energy, technology, population, and policy.

0101	Klaus Hubacek Th 11:00am - 1:30pm	Seats (Total: 50) LEF 1124	

GEOG332 **Economic Geography**

GEOG332 Economic Geography; (3 credits) Grade Method: REG/P-F/AUD.
Credit only granted for: GEOG203, GEOG303, or GEOG332. Formerly: GEOG303. Principles of managing scarce resources in a world where everyone faces tradeoffs across both time and space. Focuses on the relationship between globalization processes and changing patterns of locational advantages, production, trade, population, socioeconomic and environmental grace and sustainability.

0101	Julie Silva TuTh 3:00pm - 3:50pm W 9:00am - 9:50am	Seats (Total: 25) TYD 0117 LEF 1220	Discussion
0102	Julie Silva TuTh 3:00pm - 3:50pm W 10:00am - 10:50am	Seats (Total: 25) TYD 0117 LEF 1220	Discussion
0103	Julie Silva TuTh 3:00pm - 3:50pm F 9:00am - 9:50am	Seats (Total: 25) TYD 0117 SQH 1107	Discussion
0104	Julie Silva TuTh 3:00pm - 3:50pm F 10:00am - 10:50am	Seats (Total: 25) TYD 0117 LEF 1221	Discussion

GEOG340 **Geomorphology**

GEOG340 Geomorphology; (3 credits) Grade Method: REG/P-F/AUD.
Survey of landform types and role of processes in their generation. Frequency of occurrence and implications for land utilization. Emphasis on coastal, fluvial, and glacial landforms in different environmental settings. Landform regions of Maryland.

0101	Michael Kearney MW 12:00pm - 1:15pm	Seats (Total: 60) LEF 2166	

GEOG345 **Introduction to Climatology**

GEOG345 Introduction to Climatology; (3 credits) Grade Method: REG/P-F/AUD.
The geographic aspects of climate with emphasis on energy-moisture budgets, steady-state and non steady-state climatology, and climatic variations at both macro- and micro-scales.

0101	Krishna Vadrevu TuTh 11:00am - 12:15pm	Seats (Total: 60) LEF 2166	

GEOG372 **Remote Sensing**

GEOG372 Remote Sensing; (3 credits) Grade Method: REG/P-F/AUD.
Principles of remote sensing in relation to photographic, thermal infrared and radar imaging. Methods of obtaining quantitative information from remotely-sensed images. Interpretation of remotely-sensed images emphasizing the study of spatial and environmental relationships. There is a $40.00 lab fee for this course.

0101	Eric Kasischke MW 9:00am - 10:15am W 11:00am - 2:00pm	Seats (Total: 25) LEF 1124 LEF 1138	 Lab
0102	Eric Kasischke MW 9:00am - 10:15am W 2:00pm - 5:00pm	Seats (Total: 25) LEF 1124 LEF 1136	 Lab

GEOG373 **Geographic Information Systems**

GEOG373 Geographic Information Systems; (3 credits) Grade Method: REG/P-F/AUD.
Characteristics and organization of geographic data; creation and use of digital geospatial databases; metadata; spatial data models for thematic mapping and map analysis; use of geographic information system in society, government, and business. Practical training with use of advanced software and geographic databases. Students must pay a $40.00 laboratory materials fee.

0101	Naijun Zhou	Seats (Total: 25)	
	Tu 12:30pm - 2:30pm Th 1:00pm - 3:00pm	LEF 2166 LEF 1136	Lab
0102	Naijun Zhou	Seats (Total: 25)	
	Tu 12:30pm - 2:30pm W 9:00am - 11:00am	LEF 2166 LEF 1138	Lab

GEOG384 **Internship in Geography I**

GEOG384 *(PermReq)* **Internship in Geography I; (3 credits)** Grade Method: REG/P-F.
Prerequisite: GEOG211, GEOG306, GEOG212, and GEOG201; and (ENGL393 or ENGL390). Restriction: Must be in Geography program. Supervised field training to provide career experience. Introduction to professional level activities, demands, opportunities. Placement at a public agency, non-profit organization, or private firm. Participation requires application to the internship advisor in preceding semester.

0101	Allen Eney	Seats (Total: 10)
	Contact instructor or department for details.	

GEOG385 **Internship in Geography II**

GEOG385 *(PermReq)* **Internship in Geography II; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: GEOG211, GEOG306, GEOG212, and GEOG201; and Must have completed a Junior (Professional) English course. Restriction: Must be in Geography program. Supervised field training to provide career experience. Introduction to professional-level activities, demands, opportunities. Placement at a public agency, nonprofit organization, or private firm. Participation requires application to the internship advisor in preceding semester.

0101	Allen Eney	Seats (Total: 10)
	Contact instructor or department for details.	

GEOG396 **Honors Research**

GEOG396 *(PermReq)* **Honors Research; (3 credits)** Grade Method: REG/P-F/AUD. *Restriction: Permission of BSOS-Geography department; and Senior standing or higher; and must be in Geography program. Formerly: GEOG397.* First course in the departmental honors sequence. Student development of a potential research topic under the guidance of a faculty advisor, culminating in a written and oral presentation of a research proposal.

0101	Martha Geores	Seats (Total: 5)
	Contact instructor or department for details.	

GEOG397 **Honors Thesis**

GEOG397 *(PermReq)* **Honors Thesis; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: GEOG396. Restriction: Must be in Geography program; and Senior standing or higher. Formerly: GEOG399.* Second course in the departmental honors sequence. Student research under the auspices of a faculty advisor, culminating in a research paper to be defended orally before the geography honors committee.

0101	Martha Geores	Seats (Total: 5)
	Contact instructor or department for details.	

GEOG398 **Special Topics in Geography**

GEOG398 *(PermReq)* **Special Topics in Geography; (3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

GEOG418 **Field and Laboratory Techniques in Environmental Science**

GEOG418 *(PermReq)* **Field and Laboratory Techniques in Environmental Science; (1-3 credits)** Grade Method: REG/P-F/AUD.

0101	Ralph Dubayah	Seats (Total: 20)
	Contact instructor or department for details.	

GEOG431 **Culture and Natural Resource Management**

GEOG431 Culture and Natural Resource Management; (3 credits) Grade Method: REG/P-F/AUD.
Credit only granted for: GEOG421 or GEOG431. Formerly: GEOG421. Basic issues concerning the natural history of humans from the perspective of the geographer. Basic components of selected behavioral and natural systems, their evolution and adaptation, and survival strategies.

0101	Martha Geores	Seats (Total: 40)
	Th 12:30pm - 3:00pm	LEF 2166

GEOG437 **Political Geography**

GEOG437 Political Geography; (3 credits) Grade Method: REG/P-F/AUD.
Credit only granted for: GEOG423 or GEOG437. Formerly: GEOG423. Geographical factors in the national power and international relations; an analysis of the role of geopolitics and geostrategy, with special reference to the current world scene.

0101	Mila Zlatic	Seats (Total: 40)
	MW 3:30pm - 4:45pm	LEF 2166

GEOG442 **Biogeography and Environmental Change**

GEOG442 Biogeography and Environmental Change; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GEOG342; or students who have taken courses with similar or comparable course content may contact the department. Recommended: GEOG123. Credit only granted for: GEOG442, GEOG447, or GEOG484. Formerly: GEOG447. Biogeographical topics of global significance, including a consideration of measurement techniques, and both descriptive and mechanistic modeling. Topics may include: scale in biogeography, climate and vegetation, global carbon cycle, biodiversity, interannual variability in the biosphere, land cover, global biospheric responses to climate change, NASA's Mission to Planet Earth and Earth Observation System.

0101	Stephen Prince	Seats (Total: 30)
	TuTh 12:30pm - 1:45pm	LEF 2208

GEOG456 **The Social Geography of Metropolitan Areas in Global Perspective**

GEOG456 The Social Geography of Metropolitan Areas in Global Perspective; (3 credits) Grade Method: REG/P-F/AUD.
A socio-spatial approach to human interaction within the urban environments: ways people perceive, define, behave in, and structure world cities and metropolitan areas. Cultural and social differences define spatial patterns of social activities which further define distinctions in distribution and interaction of people and their social institutions.

0101	Mila Zlatic MW 2:00pm - 3:15pm	Seats (Total: 40) LEF 2166	

GEOG472 **Remote Sensing: Digital Processing and Analysis**

GEOG472 Remote Sensing: Digital Processing and Analysis; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GEOG372 or GEOG306; or students who have taken courses with similar or comparable course content may contact the department. Credit only granted for: GEOG472 or GEOG480. Formerly: GEOG480. Digital image processing and analysis applied to satellite and aircraft land remote sensing data. Consideration is given to preprocessing steps including calibration and geo registration. Analysis methods include digital image exploration, feature extraction thematic classification, change detection, and biophysical characterization. One or more application examples may be reviewed. Students must pay a $40.00 laboratory materials fee.

0101	Shunlin Liang W 1:00pm - 3:00pm Th 9:00am - 11:00am	Seats (Total: 25) LEF 1124 LEF 1136	 Lab
0102	Shunlin Liang W 1:00pm - 3:00pm Th 11:00am - 1:00pm	Seats (Total: 25) LEF 1124 LEF 1138	 Lab

GEOG475 **Computer Cartography**

GEOG475 Computer Cartography; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: GEOG373 or GEOG306. Credit only granted for: GEOG471 or GEOG475. Formerly: GEOG471.* Advanced skills of computer mapping using more sophisticated software packages. Map projection evaluation and selection, coordinate system conversion, techniques of quantitative thematic mapping, map design and generalization, hypermedia and animated cartography. Emphasis on designing and making cartographically sound sophisticated thematic maps.

0101	Naijun Zhou Tu 3:00pm - 5:00pm Th 11:00am - 1:00pm	Seats (Total: 25) LEF 2166 LEF 1136	 Lab
0102	Naijun Zhou Tu 3:00pm - 5:00pm F 1:00pm - 3:00pm	Seats (Total: 25) LEF 2166 LEF 1138	 Lab

GEOG476 **Object-Oriented Computer Programming for GIS**

GEOG476 Object-Oriented Computer Programming for GIS; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GEOG373 and GEOG376; or permission of BSOS-Geography department. And completed or be concurrently enrolled in MATH220, MATH130, or MATH140. Restriction: Must be in Geography program; or Must be in GIS minor. Credit only granted for: GEOG498G or GEOG476. Formerly: GEOG498G. Expands on conceptual and practical aspects of programming for geographic applications. The main focus of this course is to provide students more advanced programming in object oriented programming languages (i.e. Python). In addition, students will develop a proficiency in applying these advanced programming principles to manipulating spatial data sources within the Geographic Information Systems (GIS). Students must pay a $40.00 laboratory materials fee.

0101	Tatiana Loboda Tu 1:00pm - 3:00pm F 9:00am - 11:00am	Seats (Total: 25) LEF 1124 LEF 1138	 Lab
0102	Tatiana Loboda Tu 1:00pm - 3:00pm F 11:00am - 1:00pm	Seats (Total: 25) LEF 1124 LEF 1138	 Lab

GEOG498 **Topical Investigations**

GEOG498 *(PermReq)* **Topical Investigations; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

GEOG603 **Masters Research Tutorial**

GEOG603 Masters Research Tutorial; (3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: GEOG600. Restriction: Permission of BSOS-Geography department. Credit only granted for: GEOG603 or GEOG610. Formerly: GEOG610. Development of Masters scholarly paper topic, critical literature review, formulation of geographical approach to research methodology. Individual meetings with faculty. Comprehensive exam before the end of the semester.

Contact department for information to register for this course.

GEOG604 **PhD Research Tutorial**

GEOG604 PhD Research Tutorial; (3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: GEOG600. Restriction: Permission of BSOS-Geography department. Credit only granted for: GEOG604, GEOG610D, or GEOG611. Formerly: GEOG611. Development of Doctoral research proposal: critical literature review; formulation of research methodology; data identification and evaluation. Individual meetings with faculty. Doctoral proposal defense before end of semester.

Contact department for information to register for this course.

GEOG606 **Quantitative Spatial Analysis**
Contact department for information to register for this course.

GEOG632 **Economic Geography**

GEOG632 Economic Geography; (3 credits) Grade Method: REG/AUD.
Restriction: Permission of BSOS-Geography department. An advanced graduate level introduction to the effects of geography on economic activities and the effects of economic incentives, institutions, and activities on the nature and sustainability of human and environmental geographic systems.

0101	Julie Silva Tu 6:00pm - 8:30pm	Seats (Total: 20) LEF 1171

GEOG636 **Qualitative Methods in Geography**

GEOG636 Qualitative Methods in Geography; (3 credits) Grade Method: REG/AUD.
Restriction: Permission of BSOS-Geography department. Formerly: GEOG648C. Use of qualitative methods for qualitative geographic research. Design procedures and analysis of qualitative studies are the focus of the course. Includes readings and trying out various methods. Students will be able to present their own research and use it as an example throughout the course.

0101	Martha Geores M 5:00pm - 7:30pm	Seats (Total: 20) LEF 1124

GEOG642 **Ecosystem Processes and Human Habitability**

GEOG642 Ecosystem Processes and Human Habitability; (3 credits) Grade Method: REG/AUD.
Prerequisite: GEOG442; or permission of BSOS-Geography department. Formerly: GEOG788C. Biological and biogeographical processes relevant to the capability of the earth's biota to support the demands of its human populations.

0101	Stephen Prince TuTh 2:00pm - 3:15pm	Seats (Total: 20) LEF 1171

GEOG650 **MOBILE GIS**
Contact department for information to register for this course.

GEOG651 **Spatial Statistics**
Contact department for information to register for this course.

GEOG653 **Spatial Analysis**
Contact department for information to register for this course.

GEOG654 **GIS and Spatial Modeling**
Contact department for information to register for this course.

GEOG673 **GIS Modeling**

GEOG673 GIS Modeling; (3 credits) Grade Method: REG/AUD.
Prerequisite: GEOG306 and GEOG473; or students who have taken courses with similar or comparable course content may contact the department. Credit only granted for: GEOG673 or GEOG695. Formerly: GEOG695. Process modeling and spatial analysis within the GIS context. Introducestheoretical fundamentals and conceptual approaches to frame and represent geographical phenomena and spatial decision making.

0101	In-Young Yeo W 4:00pm - 6:30pm	Seats (Total: 20) LEF 1171

GEOG748F **Seminar in Physical Geography; Forest Modeling**

GEOG748F Seminar in Physical Geography: Forest Modeling; (3 credits) Grade Method: REG/AUD.

0101	George Hurtt Th 5:30pm - 8:00pm	Seats (Total: 20) LEF 1124

GEOG788 **Selected Topics in Geography**

GEOG788 *(PermReq)* **Selected Topics in Geography; (1-3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
Repeatable to 6 credits if content differs.

Contact department for information to register for this course.

GEOG788N **Selected Topics in Geography; The Nature and Practice of Science**

GEOG788N Selected Topics in Geography: The Nature and Practice of Science; (3 credits) Grade Method: REG/AUD/S-F.

0101	James Kellner Tu 3:30pm - 6:00pm	Seats (Total: 25) LEF 1124

GEOG788R **Selected Topics in Geography; Web Programming**
Contact department for information to register for this course.

GEOG788T **Selected Topics in Geography; Teaching Assistant Seminar**

GEOG788T Selected Topics in Geography: Teaching Assistant Seminar; (1 credit) Grade Method: REG/AUD/S-F.

0101	Keith Yearwood	Seats (Total: 40)
	Contact instructor or department for details.	

GEOG789 **Independent Readings**

GEOG789 *(PermReq)* **Independent Readings; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Repeatable to 6 credits if content differs.

Contact department for information to register for this course.

GEOG790 **Internship in Geography**

GEOG790 Internship in Geography; (3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Field experience in the student's specialty in a Federal, state, or local agency or private business. Research paper required.

Contact department for information to register for this course.

GEOG798 **Selected Topics in Geography: Seminar Series; Departmental Seminar**

GEOG798 *(PermReq)* **Selected Topics in Geography: Seminar Series: Departmental Seminar; (1 credit)** Grade Method: REG/AUD.

0101	Klaus Hubacek	Seats (Total: 50)
	Th 3:30pm - 5:00pm	LEF 1124

GEOG799 **Master's Thesis Research**

GEOG799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

GEOG898 **Pre-Candidacy Research**

GEOG898 *(PermReq)* **Pre-Candidacy Research; (1-8 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

GEOG899 **Doctoral Dissertation Research**

GEOG899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

GEOL Geology Fall 2012

GEOL100 **Physical Geology**

GEOL100 Physical Geology; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Natural Science Lab(if taken with GEOL110).
Credit only granted for: GEOL100 or GEOL120. Additional information: CORE Distributive Studies Physical Science Laboratory Course only when taken concurrently with GEOL 110. A general survey of the rocks and minerals composing the earth, its surface features and the agents that form them, and the dynamic forces of plate tectonics.

0101	Tracey Centorbi MWF 1:00pm - 1:50pm	Seats (Total: 99) CSS 2324
0201	William McDonough TuTh 3:30pm - 4:45pm	Seats (Total: 99) BPS 1243

GEOL104 **Dinosaurs: A Natural History**

GEOL104 Dinosaurs: A Natural History; (3 credits) Grade Method: REG/P-F/AUD. CORE Physical Science (PS) Course. GenEd: Distributive Studies - Natural Sciences. Dinosaurs, their evolution, and our understanding of their fossil record. Students will examine the geologic record and the tools used by paleontologists to determine: geologic ages and ancient environments; evolutionary history and extinctions; dinosaurian biology and behavior; and their survival as birds. Mechanisms of global change ranging from plate tectonics to asteroid impact will be discussed.

0101	Thomas Holtz MWF 10:00am - 10:50am	Seats (Total: 60) PLS 1130	

GEOL110 **Physical Geology Laboratory**

GEOL110 Physical Geology Laboratory; (1 credit) Grade Method: REG/P-F. *Prerequisite: Completed or be concurrently enrolled in GEOL120 or GEOL100. Additional information: CORE Distributive Studies Physical Science Laboratory Course only when taken concurrently with GEOL 100.* The basic materials and tools of physical geology stressing familiarization with rocks and minerals and the use of maps in geologic interpretations. Students must pay a $50.00 laboratory materials fee.

0101	Laurent Montesi Th 12:00pm - 3:00pm	Seats (Total: 25) GEO 2106	Lab
0102	Laurent Montesi M 12:00pm - 3:00pm	Seats (Total: 25) GEO 2106	Lab
0103	Laurent Montesi Tu 12:00pm - 3:00pm	Seats (Total: 25) GEO 2106	Lab
0104	Laurent Montesi Tu 3:00pm - 6:00pm	Seats (Total: 25) GEO 2106	Lab
0106	Laurent Montesi W 9:00am - 12:00pm	Seats (Total: 25) GEO 2106	Lab
0107	Laurent Montesi W 3:00pm - 6:00pm	Seats (Total: 25) GEO 2106	Lab
0109	Laurent Montesi Tu 9:00am - 12:00pm	Seats (Total: 25) GEO 2106	Lab
0110	Laurent Montesi Th 9:00am - 12:00pm	Seats (Total: 25) GEO 2106	Lab

GEOL120 **Environmental Geology**

GEOL120 Environmental Geology; (3 credits) Grade Method: REG/P-F/AUD. CORE Physical Science (PS) Course. GenEd: Distributive Studies - Natural Sciences. *Credit only granted for: GEOL100 or GEOL120.* A review of geologic factors underlying many environmental problems and the interactions between population and physical environment: geologic hazards, land-use planning, conservation, mineral resources, waste disposal, land reclamation, and the geologic aspects of health and disease. The course is aimed at lower division students in education and liberal arts, and should be useful to any student concerned with geologic perspectives of environmental problems.

0101	Tracey Centorbi TuTh 12:30pm - 1:45pm M 3:00pm - 3:50pm	Seats (Total: 20) SHM 2102 PLS 1158	Discussion
0102	Tracey Centorbi TuTh 12:30pm - 1:45pm M 4:00pm - 4:50pm	Seats (Total: 20) SHM 2102 PLS 1158	Discussion
0103	Tracey Centorbi TuTh 12:30pm - 1:45pm M 5:00pm - 5:50pm	Seats (Total: 20) SHM 2102 PLS 1158	Discussion
0104	Tracey Centorbi TuTh 12:30pm - 1:45pm M 3:00pm - 3:50pm	Seats (Total: 20) SHM 2102 PLS 1168	Discussion
0105	Tracey Centorbi TuTh 12:30pm - 1:45pm M 4:00pm - 4:50pm	Seats (Total: 20) SHM 2102 PLS 1168	Discussion
FC01	Tracey Centorbi TuTh 3:30pm - 4:45pm F 9:00am - 9:50am *Restricted to students in Freshmen Connection.*	Seats (Total: 15) ASY 3211 ASY 3217	Discussion
FC02	Tracey Centorbi TuTh 3:30pm - 4:45pm F 10:00am - 10:50am *Restricted to students in Freshmen Connection.*	Seats (Total: 15) ASY 3211 ASY 3217	Discussion

GEOL124 **Evolution of Life and Environment on Planet Earth**

GEOL124 Evolution of Life and Environment on Planet Earth; (3 credits) Grade Method: REG/P-F/AUD. CORE Physical Science (PS) Course. GenEd: Distributive Studies - Natural Sciences; Signature Courses - I-Series.
An exploration of how life has shaped Earth's physical environments, both in the contemporary Earth and over the long course of Earth history. Topics range from evidence for the origin and diversification of life and its impact on Earth environments to the mind-set and methods of the scientists who interpret it, and what those methods tell us about future interactions between life and the environment, both on Earth and in the Solar System.
A Marquee Science and Technology Course designed for Non-Science Majors: http://www.marqueecourses.umd.edu/* Click here for more Marquee course information.

0101	Alan Kaufman TuTh 11:00am - 12:15pm W 3:00pm - 3:50pm	Seats (Total: 18) SPH 1302 PLS 1164	 Discussion
0102	Alan Kaufman TuTh 11:00am - 12:15pm W 4:00pm - 4:50pm	Seats (Total: 18) SPH 1302 PLS 1164	 Discussion
0103	Alan Kaufman TuTh 11:00am - 12:15pm W 5:00pm - 5:50pm	Seats (Total: 18) SPH 1302 PLS 1164	 Discussion

GEOL200 **Earth's Fury: Earthquakes, Volcanoes, and Tsunami**

GEOL200 Earth's Fury: Earthquakes, Volcanoes, and Tsunami; (3 credits) Grade Method: REG/P-F/AUD. CORE Physical Science (PS) Course. GenEd: Distributive Studies - Natural Sciences; Signature Courses - I-Series.
Earthquakes, volcanic eruptions, and tsunami frequently remind us of the dangers associated with living on a constantly changing planet. How do people prepare for these rare but dramatic events? Student will study the science behind earhquakes and volcanoes, how it guides monitoring, forecasting, prevention, and response, and the cultural and ethical aspects of these events.

0101	Laurent Montesi TuTh 9:30am - 10:45am M 3:00pm - 3:50pm	Seats (Total: 17) KEY 0102 PLS 1184	 Discussion

0102	Laurent Montesi TuTh 9:30am - 10:45am M 4:00pm - 4:50pm	Seats (Total: 17) KEY 0102 PLS 1184	Discussion
0103	Laurent Montesi TuTh 9:30am - 10:45am M 5:00pm - 5:50pm	Seats (Total: 17) KEY 0102 PLS 1184	Discussion
0104	Laurent Montesi TuTh 9:30am - 10:45am W 3:00pm - 3:50pm	Seats (Total: 17) KEY 0102 BPS 1238	Discussion
0105	Laurent Montesi TuTh 9:30am - 10:45am W 4:00pm - 4:50pm	Seats (Total: 17) KEY 0102 BPS 1238	Discussion

GEOL212 **Planetary Geology**

GEOL212 Planetary Geology; (3 credits) Grade Method: REG/P-F/AUD. CORE Physical Science (PS) Course. GenEd: Distributive Studies - Natural Sciences. An examination of the geologic and geochemical processes at work in the solar system from the perspectives supplied by space age exploration of the planets and other solar system bodies.

0101	John Merck MWF 9:00am - 9:50am	Seats (Total: 24) PLS 1115

GEOL329 **Instructional Assistance Practicum**
Contact department for information to register for this course.

GEOL331 **Principles of Paleontology**

GEOL331 Principles of Paleontology; (4 credits) Grade Method: REG/P-F/AUD. *Prerequisite: GEOL100 and GEOL120; and GEOL102; and GEOL110. Or permission of CMNS-Geology department. Restriction: Permission of instructor is required of non-degree seeking students.* A review of the theory, principles, and applications of Paleontology. A systematic overview of the morphology, evolution, and relationships of the major fossil-producing taxa.

0101	Thomas Holtz, John Merck	Seats (Total: 16)	
	MWF 1:00pm - 1:50pm	PLS 1158	
	Th 2:00pm - 5:00pm	GEO 2107	Lab

GEOL341 **Structural Geology**

GEOL341 Structural Geology; (4 credits) Grade Method: REG.
Prerequisite: GEOL120 or GEOL100; and GEOL102; and GEOL110. Or permission of CMNS-Geology department. Restriction: Permission of instructor is required of non-degree seeking students. Study of the deformation of Earth's lithosphere, especially stress, rheology, strain, and the origin and significance of structural features. Development of 3-dimensional thinking through drafting and drawing of structures, construction of geologic maps and cross-sections, and stereographic and orthographic representation of structures. Improvement of scientific writing. Two weekend field trips.

0101	Aaron Martin	Seats (Total: 20)	
	TuTh 9:30am - 10:45am	PLS 1172	
	M 10:00am - 1:00pm	GEO 2107	Lab

GEOL375 **Introduction to the Blue Ocean**

GEOL375 Introduction to the Blue Ocean; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MATH140. Recommended: MATH141, PHYS161, or PHYS171. Restriction: Non-degree-seeking students require the permission of the instructor. Also offered as: AOSC375. Credit only granted for: AOSC375, GEOL375 or METO375. Introduction to physical, chemical, and biological properties of the ocean. Role of the ocean in climate as a component of the Earth system. El Nino and the ocean, impact of global warming on the ocean and marine habitats including fisheries.

0101	Raghu Murtugudde	Seats (Total: 23)	
	MW 10:00am - 11:30am	CHE 2116	

GEOL386 **Experiential Learning**

GEOL386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: Permission of CMNS-Geology department. Restriction: Junior standing or higher.

Contact department for information to register for this course.

GEOL393 **Geology Senior Thesis I: Proposal**

GEOL393 Geology Senior Thesis I: Proposal; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PHYS141 and MATH141. And CHEM131 and CHEM132; or (CHEM135 and CHEM136). And Must have completed at least two upper-level geology courses and be concurrently enrolled in a third. Restriction: Junior standing or higher; and must be in Geology program; and Non-degree-seeking students require the permission of the instructor. The first semester of the two-semester Geology Senior Thesis. Emphasis is on developing a plan for original research in the geosciences and presenting that plan both in writing and in public presentations that adhere to geosciences professional standards.

0101	Philip Candela	Seats (Total: 10)
	W 4:00pm - 6:00pm Contact instructor or department for details.	PLS 1111

GEOL393H **Geology Senior Thesis I: Proposal**

GEOL393H Geology Senior Thesis I: Proposal; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PHYS141 and MATH141. And CHEM131 and CHEM132; or (CHEM135 and CHEM136). And Must have completed at least two upper-level geology courses and be concurrently enrolled in a third. Restriction: Junior standing or higher; and must be in Geology program; and Non-degree-seeking students require the permission of the instructor. The first semester of the two-semester Geology Senior Thesis. Emphasis is on developing a plan for original research in the geosciences and presenting that plan both in writing and in public presentations that adhere to geosciences professional standards. For honors students only.

0101	Philip Candela	Seats (Total: 5)
	W 4:00pm - 6:00pm Contact instructor or department for details.	PLS 1111

GEOL394 **Geology Senior Thesis II: Research**

GEOL394 Geology Senior Thesis II: Research; (3 credits) Grade Method: REG. CORE Capstone (CS) Course. GenEd: Distributive Studies - Scholarship in Practice. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: GEOL393; and Must have completed at least three upper level GEOL courses. Restriction: Must be in Geology program; and Junior standing or higher; and In addition, non-degree-seeking students require the permission of the department. The second semester of the two-semester Geology Senior Thesis. Investigation of specific original research question in geosciences. Emphasis is on completion of original research proposed in GEOL393 and presentation of results both in writing and in public presentations that adhere to geosciences professional standards.

Contact department for information to register for this course.

GEOL394H **Geology Senior Thesis II: Research**

GEOL394H Geology Senior Thesis II: Research; (3 credits) Grade Method: REG. CORE Capstone (CS) Course. GenEd: Distributive Studies - Scholarship in Practice. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: GEOL393; and Must have completed at least three upper level GEOL courses. Restriction: Must be in Geology program; and Junior standing or higher; and In addition, non-degree-seeking students require the permission of the department. The second semester of the two-semester Geology Senior Thesis. Investigation of specific original research question in geosciences. Emphasis is on completion of original research proposed in GEOL393 and presentation of results both in writing and in public presentations that adhere to geosciences professional standards. For general honors students only.

Contact department for information to register for this course.

GEOL423 **Optical Mineralogy**

GEOL423 Optical Mineralogy; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GEOL100 or GEOL120; and GEOL110; and GEOL322. And CHEM131 and CHEM132; or (CHEM135 and CHEM136); or CHEM103. Restriction: Non-degree-seeking students require the permission of the instructor. The optical behavior of crystals with emphasis on the theory and application of the petrographic microscope.

0101	Sarah Penniston-Dorland	Seats (Total: 14)	
	MW 9:00am - 9:50am	PLS 1172	
	W 10:00am - 1:00pm	GEO 2117	Lab

GEOL436 **Principles of Biogeochemistry**

GEOL436 Principles of Biogeochemistry; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MATH140 or MATH220, GEOL100 or GEOL120, GEOL322, and one of the following: {CHEM131 and CHEM132}, {CHEM135 and CHEM136}, or CHEM103. In addition, non-degree-seeking students require the permission of the instructor. An introduction to the basic principles of biogeochemistry including aspects of organic geochemistry, biochemistry, microbiology, global geochemical cycles, the origin of life and paleoenvironmental evolution.

0101	Alan Kaufman	Seats (Total: 15)	
	TuTh 2:00pm - 3:15pm	EGR 3106	

GEOL444 **Low Temperature Geochemistry**

GEOL444 *(PermReq)* **Low Temperature Geochemistry; (4 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: GEOL322, GEOL100, and MATH115. And CHEM103; or (CHEM131 and CHEM132); or (CHEM135 and CHEM136). Restriction: Non-degree-seeking students require the permission of the instructor. Basic chemical principles, thermodynamics, and kinetics of low-temperature inorganic and organic geochemical reactions in a wide range of surface environments. These geochemical tools will be used to provide a context for understanding elemental cycling and climate change. Laboratories will include problem sets as well as wet chemical and mass spectrometric techniques used in low temperature geochemistry.

0101	James Farquhar	Seats (Total: 12)	
	TuTh 8:00am - 9:15am	PLS 1158	
	M 3:00pm - 6:00pm	CHM 1330	Lab

GEOL445 **High Temperature Geochemistry**

GEOL445 High Temperature Geochemistry; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GEOL322, GEOL100, and MATH115. And CHEM131 and CHEM132; or (CHEM135 and CHEM136); or CHEM103. Restriction: Non-degree-seeking students require the permission of the instructor. Review of chemical principles and their use in understanding processes of Earth, and solar system formation and differentiation. Topics include nucleosynthesis and cosmochemical abundances of elements, bonding and element partitioning, equilibrium thermodynamics and phase stabilities, radiogenic isotopes and geochronology, kinetics, and diffusion.

0101	Roberta Rudnick	Seats (Total: 20)	
	TuTh 12:30pm - 1:45pm	PLS 1172	
	W 1:00pm - 4:00pm	GEO 2117	Lab

GEOL446 **Geophysics**

GEOL446 Geophysics; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PHYS141, MATH141, and MATH140. Restriction: Non-degree-seeking students require the permission of the instructor. Introduction to solid earth geophysics, heat transfer, fluid flow, gravity, geomagnetism, rock and mineral physics, seismology, exploration geophysics. Basic knowledge of integral and differential calculus is required.

0101	Saswata Hier-Majumder	Seats (Total: 23)
	TuTh 11:00am - 12:15pm	PLS 1180

GEOL452 **Watershed and Wetland Hydrology**

GEOL452 Watershed and Wetland Hydrology; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Permission of CMNS-Geology department. Restriction: Non-degree-seeking students require the permission of the instructor; and Junior standing or higher. Physical processes by which water moves in watershed and wetland systems. Topics include: precipitation, infiltration, flow in the unsaturated zone, streamflow generation processes, and groundwater flow.

0101	Karen Prestegaard	Seats (Total: 40)
	TuTh 3:30pm - 4:45pm	PLS 1130

GEOL453 **Ecosystem Restoration**

GEOL453 Ecosystem Restoration; (3 credits) Grade Method: REG/P-F/AUD. *Restriction: Junior standing or higher; and Permission of instructor is required of non-degree-seeking students. Credit only granted for: GEOL453 or GEOL489L. Formerly: GEOL489L.* Overview of ecosystem functions across biomes/geologic settings, and considerations and tradeoffs in ecosystem restoration strategies. Specific case studies and discussions will be aimed at understanding how structure can influence biphysical and biogeochemical processes supporting ecosystems, and then describes how rates, timing, and location of physical, chemical, and ecosystem processes can be altered by different restoration strategies to enhance ecosystem services. Also offered as MEES698E and GEOL789L.

0101	Sujay Kaushal	Seats (Total: 20)
	Tu 3:30pm - 6:30pm	BPS 1232

GEOL456 **Engineering Geology**

GEOL456 Engineering Geology; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: PHYS141 and MATH141; and (GEOL120 or GEOL100). Or permission of CMNS-Geology department. Restriction: Non-degree-seeking students require the permission of the instructor. Credit only granted for: GEOL456 or GEOL489Z. Formerly: GEOL489Z.* An overview of engineering geology with an emphasis on physical understanding, of natural hazards and natural resources. General theories of stress and strain, failure criteria, frictional stability, fluid flow in porous media and poroelasticity are introduced. Quantitative approaches on earthquakes, landslides, land subsidence, and geotechnical aspects of oil/gas exploration are discussed.

0101	Wenlu Zhu	Seats (Total: 10)
	TuTh 2:00pm - 3:15pm	PLS 1111

GEOL489A **Special Topics; Geology of Terrestrial Planets**

GEOL489A Special Topics: Geology of Terrestrial Planets; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: GEOL340 or GEOL341. Geological features of Mercury, Venus, Mars and the Moon with an emphasis on results from recent NASA planetary mission. Topics covered include impact cratering, tectonic and volcanic history, surface conditions and climate change, habilitability.

0101	Laurent Montesi M 11:00am - 1:50pm	Seats (Total: 10) PLS 1164

GEOL489N **Special Topics; Non-traditional Stable Isotope Geochemistry**

GEOL489N Special Topics: Non-traditional Stable Isotope Geochemistry; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: GEOL444, GEOL445, or permission of instructor. Introduces the student to to the principles and applications of non-traditional stable isotope geochemistry (stable isotopes of elements other than C,H,O,N and S). We will focus on how the chemical separation of isotopes can help us constrain processes occuring on Earth and other planetary bodies ranging from differentiation to environmental processes.

0101	Anat Shahar F 8:00am - 10:50am	Seats (Total: 3) PLS 1168

GEOL489O **Special Topics; Observational Geophysics**

GEOL489O Special Topics: Observational Geophysics; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MATH140, MATH141; PHYS141, PHYS161, or PHYS 171. In addition, non-degree-seeking students require the permission of the instructor. An introduction to the processing, analysis, and modeling of geophysical data. Actual seismic, gravity, global positioning system (GPS), and electricity/magnetism (EM) datasets will provide context for hands-on exploration of sampling, filtering, convolution, Fourier and principal component analysis, as well as inference/inversion. Knowledge of integral and differential calculus is required.

0101	Vedran Lekic TuTh 3:30pm - 4:45pm	Seats (Total: 20) HBK 0105

GEOL489T **Special Topics; Isotopes and Trace Element Geochemistry**

GEOL489T *(PermReq)* **Special Topics: Isotopes and Trace Element Geochemistry; (3 credits)** Grade Method: REG/P-F/AUD.
Pre-requisites: GEOL 443 (Petrology). An introduction to the theories behind radiogenic isotope and trace element geochemistry, and how they are applied to a variety of geological problems: including high and low temperature geochemical systems. General applications include geochronology and petrogenesis.

0101	Richard Walker	Seats (Total: 10)
	TuTh 8:00am - 9:15am	PLS 1164

GEOL489V **Special Topics; Statistics for Geoscientists**

GEOL489V Special Topics: Statistics for Geoscientists; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: Math 115 or equivalent; or permission of instructor. Practical approach to basic statistics applied in the geosciences. Experimental design, elementary statistics and probability, sequence analysis, spatial analysis, linear regression, nonparametric statistics, bivariate, multivariate and principal components analysis of variance, hypothesis testing. Problem sets and participatory discussion of statistical applications in the current literature.

0101	Michael Evans	Seats (Total: 10)
	MWF 10:00am - 10:50am	PLS 1146

GEOL499 **Special Problems in Geology**

GEOL499 *(PermReq)* **Special Problems in Geology; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisites: GEOL100 or GEO120, GEOL110, GEOL102; or equivalent; and permission of department. In addition, non-degree-seeking students require the permission of the instructor. Intensive study of a special geologic subject or technique selected after consultation with instructor. Intended to provide training or instruction not available in other courses which will aid the student's development in his or her field of major interest.

Contact department for information to register for this course.

GEOL614 **Thermodynamics of Geological Processes**

GEOL614 Thermodynamics of Geological Processes; (3 credits) Grade Method: REG/AUD.
Prerequisite: PHYS142, GEOL322, and MATH141; and Must have completed CHEM113. Restriction: Non-degree-seeking students require the permission of the instructor. Thermodynamics and its application to problems in mineralogy, petrology and geochemistry. Systematic development of the laws of thermodynamics and the principles of chemical equilibrium as applied to geological problems.

0101	Philip Candela	Seats (Total: 13)
	TuTh 9:30am - 10:45am	GEO 2117

GEOL650 **Isotope and Trace Element Geochemistry**

GEOL650 Isotope and Trace Element Geochemistry; (3 credits) Grade Method: REG/AUD.
Prerequisite: GEOL443; or permission of CMNS-Geology department. Restriction: Non-degree-seeking students require the permission of the instructor. Trace elements and isotopes in geology, including modern applications in geochronology and petrogenesis.

0101	Richard Walker	Seats (Total: 15)
	TuTh 8:00am - 9:15am	PLS 1164

GEOL652 **Advanced Watershed and Wetland Hydrology**

GEOL652 Advanced Watershed and Wetland Hydrology; (3 credits) Grade Method: REG/AUD.
Prerequisite: GEOL452; or permission of CMNS-Geology department. Restriction: Non-degree-seeking students require the permission of the instructor. Physical and chemical processes in watershed and wetland systems: with an emphasis on redox reactions.

0101	Karen Prestegaard	Seats (Total: 10)
	TuTh 3:30pm - 4:45pm	PLS 1130

GEOL656 **Engineering and Environmental Geology**

GEOL656 Engineering and Environmental Geology; (3 credits) Grade Method: REG/AUD.
Prerequisite: GEOL100, GEOL110, MATH141, and PHYS141; or permission of instructor. Restriction: Non-degree-seeking students require the permission of the instructor. Credit only granted for: GEOL656 or GEOL789Z. Formerly: GEOL789Z. An overview of mechanical aspects of earthquakes as a result of fault instability. Quantitative approaches on soil and rock strength, instability on earthquakes, landslides, land subsidence, and geotechnical aspects of oil/gas exploration are discussed. Emphasis is on theoretical framework of mechanics of earthquake and faulting, earthquake source mechanisms, earthquake scaling relations, the seismic cycle etc.

0101	Wenlu Zhu TuTh 2:00pm - 3:15pm	Seats (Total: 10) PLS 1111

GEOL670 **Physical Oceanography**

GEOL670 Physical Oceanography; (3 credits) Grade Method: REG/AUD.
Prerequisite: Permission of CMNS-Geology department. Restriction: Non-degree-seeking students require the permission of the instructor. Also offered as: AOSC670. Credit only granted for: GEOL670 or AOSC670. Ocean observations. Water masses, sources of deep water. Mass, heat, and salt transport, geochemical tracers. Western boundary currents, maintenance of the termocline. Coastal and estuarine processes. Surface waves and tides. Ocean climate.

0101	Gennady Chepurin MW 3:15pm - 4:30pm	Seats (Total: 20) JMP 2202
AM01	Gennady Chepurin MW 3:15pm - 4:30pm	Seats (Total: 5) JMP 2202

GEOL789A **Recent Advances in Geology; Geology of Terrestrial Planets**

GEOL789A Recent Advances in Geology: Geology of Terrestrial Planets; (3 credits) Grade Method: REG/AUD.
Prerequisites: permission of department. Geological features of Mercury, Venus, Mars and the Moon with an emphasis on results from recent NASA planetary mission. Topics covered include impact cratering, tectonic and volcanic history, surface conditions and climate change, habilitability.

0101	Laurent Montesi M 11:00am - 1:50pm	Seats (Total: 10) PLS 1164

GEOL789B **Recent Advances in Geology; Biogeochemistry**

GEOL789B Recent Advances in Geology: Biogeochemistry; (3 credits) Grade Method: REG/AUD.
Click here for more course information.

0101	Alan Kaufman TuTh 2:00pm - 3:15pm	Seats (Total: 10) EGR 3106

GEOL789L **Recent Advances in Geology; Special Topics in Marine-Estuarine-Environmental Sciences: Principles and Practices of Ecosystem Restoration**

GEOL789L Recent Advances in Geology: Special Topics in Marine-Estuarine-Environmental Sciences: Principles and Practices of Ecosystem Restoration; (3 credits) Grade Method: REG/AUD.
Also offered as MEES698E and GEOL453. Overview of critical ecosystem functions across biomes/geologic settings emphasizing tradeoffs in restoration designs. Case studies illuminate structure's influence over biophysical and biogeochemical processes supporting ecosystems; then show how properties of physical, chemical, and ecosystem processes can be altered by different restoration strategies, to optimize ecosystem services and habitat quality. Includesa semester research project.

0101	Sujay Kaushal Tu 3:30pm - 6:30pm	Seats (Total: 20) BPS 1232

GEOL789N **Recent Advances in Geology; Non-traditional Stable Isotope Geochemistry**

GEOL789N Recent Advances in Geology: Non-traditional Stable Isotope Geochemistry; (3 credits) Grade Method: REG/AUD.
Prerequisites: GEOL444, GEOL445, or permission of instructor. Introduces the student to to the principles and applications of non-traditional stable isotope geochemistry (stable isotopes of elements other than C,H,O,N and S). We will focus on how the chemical separation of isotopes can help us constrain processes occuring on Earth and other planetary bodies ranging from differentiation to environmental processes.

0101	Anat Shahar	Seats (Total: 9)
	F 8:00am - 10:50am	PLS 1168

GEOL789O **Recent Advances in Geology; Observational Geophysics**

GEOL789O Recent Advances in Geology: Observational Geophysics; (3 credits) Grade Method: REG/AUD.
Prerequisite: MATH140, MATH141; PHYS141, PHYS161, or PHYS 171. In addition, non-degree-seeking students require the permission of the instructor. An introduction to the processing, analysis, and modeling of geophysical data. Actual seismic, gravity, global positioning system (GPS), and electricity/magnetism (EM) datasets will provide context for hands-on exploration of sampling, filtering, convolution, Fourier and principal component analysis, as well as inference/inversion. Knowledge of integral and differential calculus is required.

0101	Vedran Lekic	Seats (Total: 10)
	TuTh 3:30pm - 4:45pm	HBK 0105

GEOL789V **Recent Advances in Geology; Statistics for Geoscientists**

GEOL789V Recent Advances in Geology: Statistics for Geoscientists; (3 credits) Grade Method: REG/AUD.
Prerequisites: Math 115 or equivalent; or permission of instructor. Practical approach to basic statistics applied in the geosciences. Experimental design, elementary statistics and probability, sequence analysis, spatial analysis, linear regression, nonparametric statistics, bivariate, multivariate and principal components analysis of variance, hypothesis testing. Problem sets and participatory discussion of statistical applications in the current literature.

0101	Michael Evans	Seats (Total: 15)
	MWF 10:00am - 10:50am	PLS 1146

GEOL798 **Seminar in Geology**

GEOL798 *(PermReq)* **Seminar in Geology; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

GEOL799 **Master's Thesis Research**

GEOL799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

GEOL898 **Pre-Candidacy Research**

GEOL898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

GEOL899 **Doctoral Dissertation Research**

GEOL899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

GERM Germanic Studies Fall 2012

GERM103 **Intensive Elementary German**

GERM103 Intensive Elementary German; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Must have appropriate Foreign Language Placement Test (FLPT) score. Restriction: Must not have completed GERM101; and must not have completed GERM102; and Must not be a fluent/native speaker of German. Credit only granted for: GERM102 or GERM103. Covers speaking, reading, writing, listening, and culture of German-speaking world.

0101	Anja Ketterl MTuWF 10:00am - 10:50am	Seats (Total: 20) KEY 0119
0201	Brian Oxendine MTuWF 11:00am - 11:50am	Seats (Total: 20) HBK 0105
0301	Ina Sammler MWF 1:00pm - 1:50pm Tu 1:00pm - 1:50pm	Seats (Total: 20) JMZ 2125 JMZ 0122

GERM203 **Intensive Intermediate German**

GERM203 Intensive Intermediate German; (4 credits) Grade Method: REG. CORE Humanities (HO) Course.
Prerequisite: GERM103; or Must have appropriate Foreign Language Placement Test (FLPT) score. Restriction: Must not have completed GERM201; and must not have completed GERM202; and Must not be a fluent/native speaker of German. Credit only granted for: GERM202 or GERM203. Covers speaking, reading, writing, listening, and culture of German-speaking world.

0101	Katharina Rudolf MTuWF 10:00am - 10:50am	Seats (Total: 20) JMZ 0120
0201	Katharina Rudolf MTuWF 11:00am - 11:50am	Seats (Total: 20) JMZ 0122

GERM204 **German Grammar Review**

GERM204 German Grammar Review; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
Prerequisite: GERM203; or Must have appropriate Foreign Language Placement Test (FLPT) score. Restriction: Must not be a fluent/native speaker of German. An in-depth study and analysis of selected grammatical topics in a contextualized framework.

0101	Regina Ianozi MWF 11:00am - 11:50am	Seats (Total: 20) JMZ 2122

GERM269A **Special Topics in Study Abroad II; Elementary German I**
Contact department for information to register for this course.

GERM269B **Special Topics in Study Abroad II; Elementary German II**
Contact department for information to register for this course.

GERM283 **Viking Culture and Civilization**

GERM283 Viking Culture and Civilization; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course.
An introduction to the lifestyle of northern Europe in the 9th to 11th centuries. Taught in English.

0101	Rose-Marie Oster TuTh 11:00am - 12:15pm	Seats (Total: 35) JMZ 2206

GERM285 **German Film and Literature**
Contact department for information to register for this course.

GERM301 **Conversation and Composition I: Germany and Its People**

GERM301 Conversation and Composition I: Germany and Its People; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GERM204; or students who have taken courses with similar or comparable course content may contact the department. Practice in contemporary spoken and written German. Systematic review of grammar, and exercises in composition. Emphasis on cultural contrasts.

0101	Claudia Biester MWF 12:00pm - 12:50pm	Seats (Total: 20) PLS 1158

GERM302 **Conversation and Composition II: Current Topics in German Society**
Contact department for information to register for this course.

GERM315 **Practicum in Translation I**

GERM315 Practicum in Translation I; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GERM204; or students who have taken courses with similar or comparable course content may contact the department. Problems and strategies of translation from German to English.

0101	Rose-Marie Oster Tu 2:00pm - 3:15pm Th 2:00pm - 3:15pm	Seats (Total: 20) JMZ 1122 JMZ 1124

GERM319G **Selected Topics in Germanic Language Studies; Seminar in German Language**
Contact department for information to register for this course.

GERM322 **Highlights of German Literature II**

GERM322 Highlights of German Literature II; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GERM301; or students who have taken courses with similar or comparable course content may contact the department. Selected masterworks from different periods of German literature: Romanticism, Biedermeier, Junges Deutschland, Realism, Naturalism and its counter currents, Expressionism to the present. Taught in German. Taught in German. Also offered as GERM322H.

0101	Julie Koser	Seats (Total: 25)
	MW 3:30pm - 4:45pm	JMZ 2122

GERM322H **Highlights of German Literature II**

GERM322H Highlights of German Literature II; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GERM301; or students who have taken courses with similar or comparable course content may contact the department. Selected masterworks from different periods of German literature: Romanticism, Biedermeier, Junges Deutschland, Realism, Naturalism and its counter currents, Expressionism to the present. Taught in German. Taught in German. Also offered as GERM322.

0101	Julie Koser	Seats (Total: 25)
	MW 3:30pm - 4:45pm	JMZ 2122

GERM369A **Special Topics in Study Abroad III; Advanced German I**
Contact department for information to register for this course.

GERM369B **Special Topics in Study Abroad III; Advanced German II**
Contact department for information to register for this course.

GERM369C **Special Topics in Study Abroad III; German Composition I**
Contact department for information to register for this course.

GERM369D **Special Topics in Study Abroad III; German Composition II**
Contact department for information to register for this course.

GERM369K **Special Topics in Study Abroad III; Introduction to German Literature**
Contact department for information to register for this course.

GERM369M	**Special Topics in Study Abroad III; Europeans and the Middle East: War & Peace, Culture and Exchange, 1798-Present** **Contact department for information to register for this course.**
GERM369P	**Special Topics in Study Abroad III; Pop Culture: European-American Trends** **Contact department for information to register for this course.**
GERM386	**Experiential Learning** **GERM386** *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number. *Prerequisite: Permission of ARHU-School of Languages, Literatures, and Cultures department. Restriction: Junior standing or higher.* **Contact department for information to register for this course.**
GERM389F	**Topics in Germanic Culture; Berlin: History, Memory, Literature** **Contact department for information to register for this course.**
GERM389G	**Topics in Germanic Culture; Germman American Cultural Contrasts** **Contact department for information to register for this course.**
GERM397H	**Honors Reading (Independent Study)** **GERM397H Honors Reading (Independent Study); (3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number. Supervised reading to be taken normally only by students admitted into honors program. **Contact department for information to register for this course.**
GERM399F	**Selected Topics in Germanic Studies; The Human Condition and the Totalitarian Experience** **Contact department for information to register for this course.**
GERM401	**Advanced Conversation: Germany within Europe**

GERM401 Advanced Conversation: Germany within Europe; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GERM302; or students who have taken courses with similar or comparable course content may contact the department. Development of fluency in spoken German. Discussion of contemporary issues related to Germany in context of Europe.

0101	Petra Volkhausen	Seats (Total: 20)
	Tu 12:30pm - 1:45pm	JMZ 1124
	Th 12:30pm - 1:45pm	JMZ 1120

GERM411 **German for International Business I**
Contact department for information to register for this course.

GERM439J **Selected Topics in German Literature; Introduction to the History of the German Language**
Contact department for information to register for this course.

GERM499 **Directed Study**

GERM499 *(PermReq)* **Directed Study; (1-3 credits)** Grade Method: REG/AUD.
Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

GERM689L **Special Topics - M.A. Level; Film and Literature**

GERM689L Special Topics - M.A. Level: Film and Literature; (3 credits) Grade Method: REG/AUD.
Also offered as GERM839L. Credit will only be granted for one of the following: GERM689L or GERM839L.

0101	Peter Beicken	Seats (Total: 10)
	W 5:00pm - 7:30pm	JMZ 2117

GERM689M **Special Topics - M.A. Level; 19th Century Literature and Culture**

GERM689M Special Topics - M.A. Level: 19th Century Literature and Culture; (3 credits) Grade Method: REG/AUD.
Also offered as GERM829M. Credit will only be granted for one of the following: GERM689M or GERM829M.

0101	Elke Frederiksen	Seats (Total: 10)
	Th 5:00pm - 7:30pm	JMZ 3205

GERM798 **Master's Independent Study**

GERM798 Master's Independent Study; (1-3 credits) Grade Method: REG/AUD.
Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

GERM799 **Master's Thesis Research**

GERM799 Master's Thesis Research; (1-6 credits) Grade Method: REG/S-F.
Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

GERM829M **Seminar: The 19th Century; 19th Century Literature and Culture**

GERM829M Seminar: The 19th Century: 19th Century Literature and Culture; (3 credits) Grade Method: REG/AUD.
Also offered as GERM689M. Credit will only be granted for one of the following: GERM689M or GERM829M.

0101	Elke Frederiksen	Seats (Total: 10)
	Th 5:00pm - 7:30pm	JMZ 3205

GERM839L **Seminar: Special Topics; Film and Literature**

GERM839L Seminar: Special Topics: Film and Literature; (3 credits) Grade Method: REG/AUD.
Also offered as GERM689L. Credit will only be granted for one of the following: GERM689L or GERM839L.

0101	Peter Beicken	Seats (Total: 10)
	W 5:00pm - 7:30pm	JMZ 2117

GERM888 **Doctoral Independent Study**

GERM888 *(PermReq)* **Doctoral Independent Study; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

GERM898 **Pre-Candidacy Research**

GERM898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

GERM899 **Doctoral Dissertation Research**

GERM899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

GREK Greek Fall 2012

GREK101 **Elementary Ancient Greek I**

GREK101 Elementary Ancient Greek I; (4 credits) Grade Method: REG/P-F/AUD. *Restriction: A student who has had two units of Greek in high school may register for GREK101 for purposes of review but not for credit.* Study of basic grammar, development of reading facility, and introduction to Athenian life and culture in the fifth century B.C. Classical and New Testament Greek.

0101	Jorge Bravo	Seats (Total: 22)
	MWF 2:00pm - 2:50pm	JMZ 1120
	W 1:00pm - 1:50pm	JMZ 1120

GREK111 **Elementary Modern Greek I**

GREK111 Elementary Modern Greek I; (3 credits) Grade Method: REG/P-F/AUD. *Restriction: Must not be a native speaker of Greek. Credit only granted for: FOLA108G or GREK111. Formerly: FOLA108G.* An introduction to the language and culture of modern Greece. Students begin to acquire the basic tools of the language and to communicate, in simple everyday situations. This is the first of our two-semester sequence in Elementary Modern Greek and contributes to the fulfillment of the Global Engagement requirement of the College of Arts and Humanities.

0101	Polyvia Parara	Seats (Total: 24)
	MWF 12:00pm - 12:50pm	JMZ 2117

GREK201 **Intermediate Ancient Greek**

GREK201 Intermediate Ancient Greek; (4 credits) Grade Method: REG/P-F/AUD. *Prerequisite: GREK102; or students who have taken courses with similar or comparable course content may contact the department.* Advancing beyond the basic skills developed in GREK 101 and GREK 102; review of selected grammatical concepts; continuous reading of passages from Greek literature.

0101	Lillian Doherty	Seats (Total: 15)
	MWF 12:00pm - 12:50pm	ARM 0101
	W 1:00pm - 1:50pm	ARM 0101

GREK211 **Intermediate Modern Greek I**

GREK211 Intermediate Modern Greek I; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: GREK112; or permission of instructor. Credit only granted for: FOLA118G or GREK211. Formerly: FOLA118G.* A continuation of the study of basic structures and the development of fluency in functional, spoken and written communication. This is the first of our two-semester sequence in Intermediate Modern Greek and contributes to the fulfillment of the Global Engagement requirement of the College of Arts and Humanities.

0101	Polyvia Parara	Seats (Total: 15)
	MW 2:00pm - 3:15pm	MMH 1218

GREK398A **Special Topics in Modern Greek; Advanced Modern Greek**

GREK398A Special Topics in Modern Greek: Advanced Modern Greek; (3 credits) Grade Method: REG/P-F/AUD.

0101	Polyvia Parara MWF 11:00am - 11:50am	Seats (Total: 10) MMH 1218

GREK488 **Greek Readings; Greek Historians**

GREK488 Greek Readings: Greek Historians; (3 credits) Grade Method: REG/P-F/AUD.

0101	Eva Stehle W 5:00pm - 7:40pm	Seats (Total: 15) MMH 1304

GREK488B **Greek Readings**

GREK488B Greek Readings; (3 credits) Grade Method: REG/P-F/AUD.

0101	Lillian Doherty MWF 12:00pm - 12:50pm W 1:00pm - 1:50pm	Seats (Total: 5) JMZ 1226 JMZ 1226

GREK499 **Independent Study in Greek Language and Literature**

GREK499 *(PermReq)* **Independent Study in Greek Language and Literature; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

GREK688 **Special Topics in Greek Literature; Greek Historians**

GREK688 Special Topics in Greek Literature: Greek Historians; (3 credits) Grade Method: REG/AUD.

0101	Eva Stehle W 5:00pm - 7:40pm	Seats (Total: 10) MMH 1304

GREK699 **Independent Study in Greek Literature**

GREK699 *(PermReq)* **Independent Study in Greek Literature; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

GREK799 **Master's Thesis Research**

GREK799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

GVPT Government and Politics Fall 2012

GVPT100 **Scope and Methods for Political Science Research**

GVPT100 Scope and Methods for Political Science Research; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course.
An introduction to empirical research in political science.

0101	Stella Rouse MW 9:00am - 9:50am F 9:00am - 9:50am	Seats (Total: 25) TYD 0130 TYD 2110	Discussion
0102	Stella Rouse MW 9:00am - 9:50am F 10:00am - 10:50am	Seats (Total: 25) TYD 0130 TYD 0111	Discussion
0103	Stella Rouse MW 9:00am - 9:50am F 9:00am - 9:50am	Seats (Total: 25) TYD 0130 TYD 1114	Discussion
0104	Stella Rouse MW 9:00am - 9:50am F 1:00pm - 1:50pm	Seats (Total: 25) TYD 0130 TYD 0111	Discussion
0105	Stella Rouse MW 9:00am - 9:50am F 10:00am - 10:50am	Seats (Total: 25) TYD 0130 TYD 0101	Discussion

0106	Stella Rouse MW 9:00am - 9:50am F 1:00pm - 1:50pm	Seats (Total: 25) TYD 0130 TYD 1101	Discussion
0201	Stella Rouse MW 10:00am - 10:50am F 9:00am - 9:50am	Seats (Total: 25) TYD 1102 ASY 3221	Discussion
0202	Stella Rouse MW 10:00am - 10:50am F 1:00pm - 1:50pm	Seats (Total: 25) TYD 1102 TYD 1108	Discussion
0203	Stella Rouse MW 10:00am - 10:50am F 10:00am - 10:50am	Seats (Total: 25) TYD 1102 TYD 2108	Discussion

GVPT105S **Introduction to Political Ethics**

GVPT105S Introduction to Political Ethics; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. GenEd: Distributive Studies - History and Social Sciences.
Restriction: Must be in the College Park Scholars program; and Must be in International Studies program or Public Leadership program. An examination of major theories of political life and politics as they pertain to international politics, conflict, and culture. Emphasis will be given to theories of ethics and morality that pertain to international studies, such as human rights.

0101	James Glass MW 2:00pm - 2:50pm F 9:00am - 9:50am	Seats (Total: 25) TYD 0117 ARM 0101	Discussion
0102	James Glass MW 2:00pm - 2:50pm F 10:00am - 10:50am	Seats (Total: 25) TYD 0117 ARM 0101	Discussion
0103	James Glass MW 2:00pm - 2:50pm F 11:00am - 11:50am	Seats (Total: 25) TYD 0117 ARM 0118	Discussion

0104	James Glass MW 2:00pm - 2:50pm F 12:00pm - 12:50pm	Seats (Total: 25) TYD 0117 ARM 0118	Discussion

GVPT170 **American Government**

GVPT170 American Government; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. GenEd: Distributive Studies - History and Social Sciences.
A comprehensive study of national government in the United States.

0101	Patrick Wohlfarth MW 1:00pm - 1:50pm F 9:00am - 9:50am	Seats (Total: 25) LEF 2205 TYD 0101	Discussion
0102	Patrick Wohlfarth MW 1:00pm - 1:50pm F 9:00am - 9:50am	Seats (Total: 25) LEF 2205 TYD 1102	Discussion
0103	Patrick Wohlfarth MW 1:00pm - 1:50pm F 10:00am - 10:50am	Seats (Total: 25) LEF 2205 TYD 1102	Discussion
0104	Patrick Wohlfarth MW 1:00pm - 1:50pm F 10:00am - 10:50am	Seats (Total: 25) LEF 2205 TYD 1118	Discussion
0105	Patrick Wohlfarth MW 1:00pm - 1:50pm F 1:00pm - 1:50pm	Seats (Total: 25) LEF 2205 TYD 1102	Discussion
0106	Patrick Wohlfarth MW 1:00pm - 1:50pm F 1:00pm - 1:50pm	Seats (Total: 25) LEF 2205 TYD 2102	Discussion
0201	Patrick Wohlfarth MW 2:00pm - 2:50pm F 9:00am - 9:50am	Seats (Total: 25) LEF 2205 HZF 0101	Discussion

0202	Patrick Wohlfarth MW 2:00pm - 2:50pm F 9:00am - 9:50am	Seats (Total: 25) LEF 2205 HBK 0108	Discussion
0203	Patrick Wohlfarth MW 2:00pm - 2:50pm F 10:00am - 10:50am	Seats (Total: 25) LEF 2205 KEY 0116	Discussion
0204	Patrick Wohlfarth MW 2:00pm - 2:50pm F 10:00am - 10:50am	Seats (Total: 25) LEF 2205 ARM 0119	Discussion
0205	Patrick Wohlfarth MW 2:00pm - 2:50pm F 1:00pm - 1:50pm	Seats (Total: 25) LEF 2205 HBK 0105	Discussion
0206	Patrick Wohlfarth MW 2:00pm - 2:50pm F 1:00pm - 1:50pm	Seats (Total: 25) LEF 2205 ASY 3215	Discussion
FC01	Martin Kobren MW 6:00pm - 7:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 30) TYD 1101	

GVPT200 **International Political Relations**

GVPT200 International Political Relations; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. GenEd: Distributive Studies - History and Social Sciences; Diversity - Understanding Plural Societies. *Prerequisite: GVPT100.* A study of the major factors underlying international relations, the causes of conflict and cooperation among international actors, the role of international institutions, the interactions of domestic and foreign policies, and major issues in security, economy and the environment.

0101	Scott Kastner MW 10:00am - 10:50am F 9:00am - 9:50am	Seats (Total: 25) ARC 0204 MMH 0108	Discussion

0102	Scott Kastner MW 10:00am - 10:50am F 9:00am - 9:50am	Seats (Total: 25) ARC 0204 TYD 2102	Discussion
0103	Scott Kastner MW 10:00am - 10:50am F 9:00am - 9:50am	Seats (Total: 25) ARC 0204 TYD 0102	Discussion
0104	Scott Kastner MW 10:00am - 10:50am F 10:00am - 10:50am	Seats (Total: 25) ARC 0204 PLS 1115	Discussion
0105	Scott Kastner MW 10:00am - 10:50am F 10:00am - 10:50am	Seats (Total: 25) ARC 0204 TYD 2110	Discussion
0106	Scott Kastner MW 10:00am - 10:50am F 1:00pm - 1:50pm	Seats (Total: 25) ARC 0204 ASY 3211	Discussion
0107	Scott Kastner MW 10:00am - 10:50am F 1:00pm - 1:50pm	Seats (Total: 25) ARC 0204 TYD 0102	Discussion
0108	Scott Kastner MW 10:00am - 10:50am F 1:00pm - 1:50pm	Seats (Total: 25) ARC 0204 TYD 2106	Discussion
0109	Scott Kastner MW 10:00am - 10:50am F 10:00am - 10:50am	Seats (Total: 25) ARC 0204 LEF 1220	Discussion
FC01	David Garcia MW 7:30pm - 8:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 45) TYD 2111	

GVPT205S Special Topics in International Ethics, Conflict, and Immigration

GVPT205S Special Topics in International Ethics, Conflict, and Immigration; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. GenEd: Distributive Studies - History and Social Sciences; Diversity - Understanding Plural Societies.
Prerequisite: GVPT105. Recommended: GVPT241. Restriction: Must be in College Park Scholars program; and Must be in GVPT international Studies program. An examination of issues in international ethics, conflict generated at the international level, and problems in immigration policy and law, including theories of rights and immigration, and ideological sources of international violence.

0101	Richard Boyd Tu 2:00pm - 3:15pm Th 2:00pm - 3:15pm	Seats (Total: 19) JMZ 0105 TYD 1118	 Discussion
0102	Richard Boyd Tu 2:00pm - 3:15pm Th 2:00pm - 3:15pm	Seats (Total: 19) JMZ 0105 TYD 2102	 Discussion
0103	Richard Boyd Tu 2:00pm - 3:15pm Th 2:00pm - 3:15pm	Seats (Total: 19) JMZ 0105 KEY 0121	 Discussion
0104	Richard Boyd Tu 2:00pm - 3:15pm Th 2:00pm - 3:15pm	Seats (Total: 18) JMZ 0105 ARM 0103	 Discussion

GVPT217 **Mock Trial I: Introduction to Trial Advocacy**

GVPT217 *(PermReq)* **Mock Trial I: Introduction to Trial Advocacy; (3 credits)** Grade Method: REG/P-F/AUD.
Credit only granted for: GVPT217 or GVPT319A. Formerly: GVPT319A. Introduction to the basic fundamentals of trial advocacy including opening statement, closing argument, direct and cross examination, and all other facets of trial advocacy through a series of lectures and practice trials. Students may have an opportunity to compete in intercollegiate mock trial competition based on their skill level and demonstrated understanding of trial advocacy principles.

0101	Mark Graber W 6:30pm - 9:15pm	Seats (Total: 40) TYD 2102

GVPT241 **The Study of Political Philosophy: Ancient and Modern**

GVPT241 The Study of Political Philosophy: Ancient and Modern; (3 credits)
Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Scholarship in Practice. *Prerequisite: GVPT100. Restriction: Must be in Government & Politics program.* Examines some of the salient continuities and breaks between the ancient and modern traditions in Western political philosophy.

0201	Ian Ward MW 2:00pm - 2:50pm F 9:00am - 9:50am	Seats (Total: 20) MMH 1400 HBK 0105	Discussion
0202	Ian Ward MW 2:00pm - 2:50pm F 9:00am - 9:50am	Seats (Total: 20) MMH 1400 EDU 0202	Discussion
0203	Ian Ward MW 2:00pm - 2:50pm F 10:00am - 10:50am	Seats (Total: 20) MMH 1400 SKN 1112	Discussion
0204	Ian Ward MW 2:00pm - 2:50pm F 10:00am - 10:50am	Seats (Total: 20) MMH 1400 SKN 1115	Discussion
0205	Ian Ward MW 2:00pm - 2:50pm F 11:00am - 11:50am	Seats (Total: 20) MMH 1400 TYD 0102	Discussion
0206	Ian Ward MW 2:00pm - 2:50pm F 11:00am - 11:50am	Seats (Total: 20) MMH 1400 SKN 1115	Discussion
0207	Ian Ward MW 2:00pm - 2:50pm F 12:00pm - 12:50pm	Seats (Total: 20) MMH 1400 ASY 3211	Discussion
0208	Ian Ward MW 2:00pm - 2:50pm F 1:00pm - 1:50pm	Seats (Total: 20) MMH 1400 HBK 0109	Discussion

GVPT258B **Introduction to Political Science Topics in Study Abroad; Enemy Within: Spies and Espionage in the Cold War**

Contact department for information to register for this course.

GVPT258C **Introduction to Political Science Topics in Study Abroad; Government and Politics in China**
Contact department for information to register for this course.

GVPT258E **Introduction to Political Science Topics in Study Abroad; Government and Politics in Spain**
Contact department for information to register for this course.

GVPT258F **Introduction to Political Science Topics in Study Abroad; European Union Law and Economic Integration**
Contact department for information to register for this course.

GVPT258I **Introduction to Political Science Topics in Study Abroad; Government and Politics in Italy and Europe**
Contact department for information to register for this course.

GVPT258P **Introduction to Political Science Topics in Study Abroad; Sustainable Development: Environmental, Political and Social Issues**
Contact department for information to register for this course.

GVPT258T **Introduction to Political Science Topics in Study Abroad; Terrorism and Political Violence**
Contact department for information to register for this course.

GVPT260 **State and Local Government**

GVPT260 State and Local Government; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: GVPT170.* A study of the functioning and problems of state and local government in the United States, with illustrations from Maryland jurisdictions.

0101	Stephen Yoder	Seats (Total: 40)
	TuTh 9:30am - 10:45am	TYD 0102

GVPT272 **The Politics of Race Relations in the United States**

GVPT272 The Politics of Race Relations in the United States; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - History and Social Sciences; Diversity - Understanding Plural Societies.
Prerequisite: GVPT170. Political dimension of historical and contemporary racial cleavage in the United States with particular emphasis on the post-World War II period.

0101	Brian McKenzie MW 3:00pm - 3:50pm F 9:00am - 9:50am	Seats (Total: 25) TYD 2109 HBK 1108	Discussion
0102	Brian McKenzie MW 3:00pm - 3:50pm F 10:00am - 10:50am	Seats (Total: 25) TYD 2109 KEY 0121	Discussion
0103	Brian McKenzie MW 3:00pm - 3:50pm F 1:00pm - 1:50pm	Seats (Total: 25) TYD 2109 ASY 3219	Discussion
0201	Brian McKenzie MW 1:00pm - 1:50pm F 9:00am - 9:50am	Seats (Total: 25) TYD 0117 KEY 0124	Discussion
0202	Brian McKenzie MW 1:00pm - 1:50pm F 10:00am - 10:50am	Seats (Total: 25) TYD 0117 KEY 0125	Discussion
0203	Brian McKenzie MW 1:00pm - 1:50pm F 1:00pm - 1:50pm	Seats (Total: 25) TYD 0117 JMZ 2117	Discussion

GVPT280 **Comparative Politics and Governments**

GVPT280 Comparative Politics and Governments; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GVPT100. An introduction to the comparative study of politics and governance, including the analytical frameworks for studies of politics and governmental institutions and a survey of the major types of European regimes.

0101	Isabella Alcaniz MW 1:00pm - 2:15pm	Seats (Total: 75) TYD 2109	

GVPT282 **Politics and the Developing World**

GVPT282 Politics and the Developing World; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - History and Social Sciences; Diversity - Understanding Plural Societies.
A study of the domestic governmental institutions; processes and problems such as conflict and economic development; and the socio-economic environments that are common to developing countries of Africa, the Middle East, Asia, and Latin America.

0101	John McCauley MW 10:00am - 10:50am F 9:00am - 9:50am	Seats (Total: 25) VMH 1212 JMZ 2120	Discussion
0102	John McCauley MW 10:00am - 10:50am F 10:00am - 10:50am	Seats (Total: 25) VMH 1212 JMZ 1215	Discussion
0103	John McCauley MW 10:00am - 10:50am F 1:00pm - 1:50pm	Seats (Total: 25) VMH 1212 EDU 2101	Discussion
0104	John McCauley MW 10:00am - 10:50am F 9:00am - 9:50am	Seats (Total: 25) VMH 1212 KEY 0121	Discussion
0105	John McCauley MW 10:00am - 10:50am F 10:00am - 10:50am	Seats (Total: 25) VMH 1212 KEY 0103	Discussion
0106	John McCauley MW 10:00am - 10:50am F 1:00pm - 1:50pm	Seats (Total: 25) VMH 1212 KEY 0103	Discussion

GVPT289B **Special Topics in Government and Politics; Globalization**
Contact department for information to register for this course.

GVPT289F **Does Democracy Have a Future?**

GVPT289F Does Democracy Have a Future?; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. GenEd: Distributive Studies - History and Social Sciences; Diversity - Understanding Plural Societies; Signature Courses - I-Series.

0101	Ian Ward MW 4:00pm - 4:50pm F 9:00am - 9:50am	Seats (Total: 20) SHM 2102 SYM 0209	Discussion
0102	Ian Ward MW 4:00pm - 4:50pm F 10:00am - 10:50am	Seats (Total: 20) SHM 2102 KEY 0117	Discussion
0103	Ian Ward MW 4:00pm - 4:50pm F 12:00pm - 12:50pm	Seats (Total: 20) SHM 2102 SKN 1112	Discussion
0104	Ian Ward MW 4:00pm - 4:50pm F 1:00pm - 1:50pm	Seats (Total: 20) SHM 2102 KEY 0117	Discussion
0105	Ian Ward MW 4:00pm - 4:50pm F 10:00am - 10:50am	Seats (Total: 20) SHM 2102 CHE 2116	Discussion
0106	Ian Ward MW 4:00pm - 4:50pm F 1:00pm - 1:50pm	Seats (Total: 20) SHM 2102 HJP 1104	Discussion

GVPT309H **Topics in International Relations; British Politics**
Contact department for information to register for this course.

GVPT319L **Topics in Social Advocacy; Legal Advocacy**

GVPT319L *(PermReq)* **Topics in Social Advocacy: Legal Advocacy; (3 credits)**
Grade Method: REG/P-F/AUD.

SG91	Brent Newton W 6:30pm - 9:15pm *Registration is restricted to CCJS-Shady Grove majors. Permission is required for all other students to enroll in courses at Shady Grove. Please email ccjsusg@umd.edu for permission.*	Seats (Total: 20) Location: TBA	

GVPT331 **Law and Society**

GVPT331 Law and Society; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: GVPT170. Restriction: Must not have completed GVPT231. Credit only granted for: GVPT231 or GVPT331. Formerly: GVPT231.* A study of the basis of law and its relationship with various contemporary institutions such as the courts, the legal profession, and society at large.

0101	Seth Abrams MW 1:00pm - 1:50pm F 9:00am - 9:50am	Seats (Total: 25) SHM 2102 EDU 2101	 Discussion
0102	Seth Abrams MW 1:00pm - 1:50pm F 9:00am - 9:50am	Seats (Total: 25) SHM 2102 EDU 1315	 Discussion
0103	Seth Abrams MW 1:00pm - 1:50pm F 10:00am - 10:50am	Seats (Total: 25) SHM 2102 EDU 3315	 Discussion
0104	Seth Abrams MW 1:00pm - 1:50pm F 10:00am - 10:50am	Seats (Total: 25) SHM 2102 MMH 3418	 Discussion
0105	Seth Abrams MW 1:00pm - 1:50pm F 1:00pm - 1:50pm	Seats (Total: 25) SHM 2102 EDU 3236	 Discussion
0106	Seth Abrams MW 1:00pm - 1:50pm F 1:00pm - 1:50pm	Seats (Total: 25) SHM 2102 EDU 3233	 Discussion
0201	Robert Koulish TuTh 11:00am - 11:50am F 9:00am - 9:50am	Seats (Total: 25) SQH 1120 SQH 2122	 Discussion
0202	Robert Koulish TuTh 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 25) SQH 1120 SQH 2122	 Discussion
0203	Robert Koulish TuTh 11:00am - 11:50am F 1:00pm - 1:50pm	Seats (Total: 25) SQH 1120 TYD 0101	 Discussion

GVPT354 **Peacebuilding, Post-Conflict Reconstruction, and International Development**

GVPT354 *(PermReq)* **Peacebuilding, Post-Conflict Reconstruction, and International Development; (3 credits)** Grade Method: REG/P-F/AUD.
Restriction: Permission of BSOS-Government & Politics department; and Sophomore standing or higher. Serves as the core course for the minor in International Development and Conflict Management. Provides an introductory foundation in theory and practice of international development and conflict management. Presents the classic Western-driven conceptualization of development while drawing on the actual experience and understanding of participants across a variety of societies, cultures, and geographic areas.

0101	Stacy Kosko M 2:00pm - 3:50pm W 1:00pm - 1:50pm	Seats (Total: 25) PLS 1140 TYD 1118	 Discussion
0102	Stacy Kosko M 2:00pm - 3:50pm W 2:00pm - 2:50pm	Seats (Total: 25) PLS 1140 EDU 1315	 Discussion
0103	Stacy Kosko M 2:00pm - 3:50pm W 3:00pm - 3:50pm	Seats (Total: 25) PLS 1140 ASY 3219	 Discussion

GVPT356 **Capstone II: International Development and Conflict Management**

GVPT356 *(PermReq)* **Capstone II: International Development and Conflict Management; (3 credits)** Grade Method: REG/P-F/AUD.
Recommended: GVPT354. Restriction: Sophomore standing or higher; and permission of BSOS-Government & Politics department. Serves as one of the two capstone courses for the Minor in Internationa Development and Conflict Management. Focuses on real world experience and best practices and designed to provide students an introduction to, and a chance to practice with, a core set of practical skills relevant to the fields of international development, humanitarian relief and conflict management.

0101	Stacy Kosko Tu 3:30pm - 6:15pm	Seats (Total: 40) TYD 2111	

GVPT358B **Study Abroad Seminar in Political Science; China's Media and Politics in the Context of Globalization**

Contact department for information to register for this course.

GVPT358C **Study Abroad Seminar in Political Science; History of Diplomacy in Modern China**

Contact department for information to register for this course.

GVPT358E **Study Abroad Seminar in Political Science; Sino-U.S. Relations and the Rise of Asia**

Contact department for information to register for this course.

GVPT358F **Study Abroad Seminar in Political Science; Government and Politics in France**

Contact department for information to register for this course.

GVPT358I **Study Abroad Seminar in Political Science; Debating Globalization**

Contact department for information to register for this course.

GVPT358R **Study Abroad Seminar in Political Science; Religion and Politics in Europe**

Contact department for information to register for this course.

GVPT378R **Special Topics in Government and Politics; Religion and Politics in the State of Israel**

GVPT378R Special Topics in Government and Politics: Religion and Politics in the State of Israel; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as ISRL349R and JWST319F. Covers the interplay between religion and politics in Israel and its effects on Israeli culture and on domestic and foreign politics. The course situates the resultant tensions within the broader Middle Eastern and global context that pit religion against modernity.

0101	Joseph Ringel	Seats (Total: 40)
	TuTh 9:30am - 10:45am	TYD 2109

GVPT386 **Experiential Learning**

GVPT386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F.
Individual Instruction course: contact department or instructor to obtain section number.
Restriction: Permission of BSOS-Government & Politics department; and Junior standing or higher.

Contact department for information to register for this course.

GVPT388 **Topical Investigations**

GVPT388 *(PermReq)* **Topical Investigations; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Permission of Director of Undergraduate Studies required.

Contact department for information to register for this course.

GVPT388I **Topical Investigations; Government and Politics Public Policy Internship Program**

GVPT388I *(PermReq)* **Topical Investigations: Government and Politics Public Policy Internship Program; (1-3 credits)** Grade Method: REG/P-F/AUD.

0101	Gilbert Nunez	Seats (Total: 30)
	M 6:30pm - 9:15pm	TYD 2108

GVPT388M **Topical Investigations; Mock Trial**

GVPT388M *(PermReq)* **Topical Investigations: Mock Trial; (1-3 credits)** Grade Method: REG/P-F/AUD.

0101	Mark Graber	Seats (Total: 18)
	W 6:30pm - 9:15pm	TYD 2108

GVPT389 **Experiential Learning II**

GVPT389 *(PermReq)* **Experiential Learning II; (3-6 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Junior standing.

Contact department for information to register for this course.

GVPT390 **Game Theory**

GVPT390 Game Theory; (3 credits) Grade Method: REG/P-F/AUD.
Restriction: Must not have completed ECON414. Credit only granted for: GVPT399A, GVPT390, or ECON414. Formerly: GVPT399A. Introduction to game theory with applications to political science, economics and sociology. Topics include preference theory, expected utility theory, Nash equilibria, subgame perfection, repeated games, folk theorems, evolutionary stability.

0101	Piotr Swistak	Seats (Total: 40)
	Tu 2:00pm - 4:45pm	TYD 1118

GVPT396 **Introduction to Honors Research**

GVPT396 *(PermReq)* **Introduction to Honors Research; (3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
Restriction: Must be in Government & Politics Honors Program; and Must have permission of the Government & Politics Honors Program. A required course for all honors students designed to emphasize library research, methodology, and writing skills in political science and political philosophy. A written proposal, bibliography and research design for an honors paper required of all students as a final project.

Contact department for information to register for this course.

GVPT397 **Honors Research**

GVPT397 *(PermReq)* **Honors Research; (3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: GVPT396. Restriction: Must be in Government & Politics Honors Program. Individual reading and research. Preparation of an original paper.

Contact department for information to register for this course.

GVPT399C **Seminar in Government and Politics; The Case of Catalonia**
Contact department for information to register for this course.

GVPT399D **Seminar in Government and Politics; Society and Politics in Contemporary Spain**
Contact department for information to register for this course.

GVPT399E **Seminar in Government and Politics; The European Union: Politics and Policy**
Contact department for information to register for this course.

GVPT399J **Seminar in Government and Politics; Modern British Politics**
Contact department for information to register for this course.

GVPT399L **Seminar in Government and Politics; British Politics**
Contact department for information to register for this course.

GVPT399N **Seminar in Government and Politics; Political Movements in the European Union**
Contact department for information to register for this course.

GVPT399R **Seminar in Government and Politics; Modern American Government**
Contact department for information to register for this course.

GVPT399X **Seminar in Government and Politics; Political Movements in the European Union**
Contact department for information to register for this course.

GVPT406H **International Organizations**

GVPT406H *(PermReq)* **International Organizations; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: GVPT200. Restriction: Must be in Government & Politics program; and Junior standing or higher. Credit only granted for: GVPT309B or GVPT406. Formerly: GVPT309B. A basic introduction to the full range of international organizations that have come into being over the past century and one-half, including those that aspire to be universal or global, those with a geopolitical or regional focus, and those that address specific structural or functional areas of human endeavor or issue areas. For GVPT Honors students only.

0101	Todd Allee	Seats (Total: 20)
	M 2:00pm - 4:45pm	TYD 0111

GVPT407 **International Political Economy**

GVPT407 International Political Economy; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GVPT200. Restriction: Must be in Government & Politics program; and Junior standing or higher. Introduces the field of international political economy, which analyzes the ways in which economic and political changes produce both economic and political reactions. For GVPT majors only. All other majors will be placed on the holdfile.

0101	Bartlomiej Kaminski W 2:00pm - 4:45pm	Seats (Total: 30) TYD 0102

GVPT409E **Seminar in International Relations and World Politics; European Union**

GVPT409E Seminar in International Relations and World Politics: European Union; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GVPT200. For GVPT majors only. All other majors will be placed on the holdfile.

0101	Bartlomiej Kaminski W 5:00pm - 7:45pm	Seats (Total: 30) KEY 0126

GVPT419B **Seminar in Public Policy; Advanced Topics in Environmental Policy analysis**

GVPT419B Seminar in Public Policy: Advanced Topics in Environmental Policy analysis; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GVPT273. For GVPT majors only. All other majors will be placed on the holfile. For GVPT and ENSP majors only.

0101	Isabella Alcaniz MW 3:30pm - 4:45pm	Seats (Total: 30) TYD 1114
0201	Jennifer Wallace W 2:00pm - 4:45pm	Seats (Total: 30) KNI 1105

GVPT422 **Quantitative Political Analysis**

GVPT422 Quantitative Political Analysis; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GVPT241 and GVPT170. Recommended: GVPT220. Restriction: Must be in Government & Politics program. Credit only granted for: BIOM301, BMGT230, CCJS200, ECON321, EDMS451, GEOG306, GVPT422, PSYC200, or SOCY201.
Introduction to quantitative methods of data analysis, including selected statistical methods, block analysis, content analysis, and scale construction.

0101	Antoine Banks TuTh 2:00pm - 3:15pm	Seats (Total: 30) TYD 1102

0201	Antoine Banks TuTh 11:00am - 12:15pm	Seats (Total: 30) TYD 0102	

GVPT423 **Elections and Electoral Behavior**

GVPT423 Elections and Electoral Behavior; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GVPT241 and GVPT170. Restriction: Must be in Government & Politics program. An examination of various topics relating to elections; the focus includes the legal structure under which elections are conducted, the selection and nomination process, the conduct of election campaigns, and patterns of political participation and voting choice in different types of elections.

0101	James Gimpel W 2:00pm - 4:45pm	Seats (Total: 30) TYD 2102	

GVPT431 **Introduction to Constitutional Law**

GVPT431 Introduction to Constitutional Law; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GVPT241 and GVPT170. Restriction: Must be in Government & Politics program; and Junior standing or higher. A systematic inquiry into the general principles of the American constitutional system, with special reference to the role of the judiciary in the interpretation and enforcement of the federal constitution.

0101	Michael Spivey MW 2:00pm - 3:10pm F 9:00am - 9:50am	Seats (Total: 25) SYM 0200 SKN 1112	Discussion
0102	Michael Spivey MW 2:00pm - 3:10pm F 10:00am - 10:50am	Seats (Total: 25) SYM 0200 BPS 1236	Discussion
0103	Michael Spivey MW 2:00pm - 3:10pm F 1:00pm - 1:50pm	Seats (Total: 25) SYM 0200 TLF 1101	Discussion

GVPT439A **Seminar in Public Law; Comparative Constitutional Law**

GVPT439A Seminar in Public Law: Comparative Constitutional Law; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GVPT170 and GVPT241. Recommended: GVPT331. For GVPT majors only. All other majors will be placed on the holdfile.

0101	Karol Soltan	Seats (Total: 30)
	TuTh 11:00am - 12:15pm	TYD 1101

GVPT441 **History of Political Theory: Ancient and Medieval**

GVPT441 History of Political Theory: Ancient and Medieval; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GVPT241. Restriction: Must be in Government & Politics program; and Junior standing or higher. A survey of the principal political theories set forth in the works of writers before Machiavelli.

0101	Charles Alford	Seats (Total: 30)
	TuTh 4:00pm - 5:15pm	TYD 0101

GVPT449A **Seminar in Political Philosophy; The Corruption of Power: As Seen through Films and Readings on the Holocaust**

GVPT449A Seminar in Political Philosophy: The Corruption of Power: As Seen through Films and Readings on the Holocaust; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GPVT241. For GVPT majors only. All other majors will be placed on the holdfile.

0101	James Glass	Seats (Total: 16)
	W 3:30pm - 6:15pm	TLF 1101

GVPT457 **American Foreign Relations**
Contact department for information to register for this course.

GVPT4580 **Special Topics in Study Abroad IV; Chinese-U.S. Relations**
Contact department for information to register for this course.

GVPT458A **Special Topics in Study Abroad IV; Inequality, Poverty, and Globalization**
Contact department for information to register for this course.

GVPT458B	**Special Topics in Study Abroad IV; Contemporary Political and Economic Issues in South Asia** **Contact department for information to register for this course.**
GVPT458C	**Special Topics in Study Abroad IV; Politics, War and Economics in the Age of Globalization** **Contact department for information to register for this course.**
GVPT458D	**Special Topics in Study Abroad IV; International Law from a European Perspective** **Contact department for information to register for this course.**
GVPT458E	**Special Topics in Study Abroad IV; European Politics: The European Union** **Contact department for information to register for this course.**
GVPT458G	**Special Topics in Study Abroad IV; Czech Society: Transition from Communism I** **Contact department for information to register for this course.**
GVPT458I	**Special Topics in Study Abroad IV; Political Ideas in Historical Context: from the French Revolution to Post-Communism** **Contact department for information to register for this course.**
GVPT458J	**Special Topics in Study Abroad IV; Economic and Political Institutions of the European Union** **Contact department for information to register for this course.**
GVPT458L	**Special Topics in Study Abroad IV; Law and Dictatorship** **Contact department for information to register for this course.**
GVPT458M	**Special Topics in Study Abroad IV; Modern Central European Politics** **Contact department for information to register for this course.**
GVPT458N	**Special Topics in Study Abroad IV; Class, Nationalism and Civil War: Tradition and Modernization in Contemporary Spain** **Contact department for information to register for this course.**
GVPT458P	**Special Topics in Study Abroad IV; Environmental Science and Policy** **Contact department for information to register for this course.**
GVPT458R	**Special Topics in Study Abroad IV; Terrorism and Counterterrorism in International Politics** **Contact department for information to register for this course.**

GVPT458V **Special Topics in Study Abroad IV; International Political Economy: North-South Relations**
Contact department for information to register for this course.

GVPT459B **Seminar in Comparative Politics; Political Institutions**

GVPT459B *(PermReq)* **Seminar in Comparative Politics: Political Institutions; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: GVPT200 or GVPT280. Formerly GVPT409P. Credit will be only be granted for GVPT459B or GVPT409P. For GVPT Honor students only.

0101	Ernesto Calvo	Seats (Total: 20)
	TuTh 2:00pm - 3:15pm	TYD 0101

GVPT459C **Seminar in Comparative Politics; East European Politics: From Communism to Democracy**

GVPT459C Seminar in Comparative Politics: East European Politics: From Communism to Democracy; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GVPT200 or GVPT280. For GVPT majors only. All other majors will be placed on the holdfile.

0101	Vladimir Tismaneanu	Seats (Total: 30)
	TuTh 11:00am - 12:15pm	TYD 1102

GVPT459D **Seminar in Comparative Politics; Politics of the Developing World**

GVPT459D Seminar in Comparative Politics: Politics of the Developing World; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GVPT200 or GVPT280. For GVPT majors only.All other majors will be placed on the holdfile.

0101	Joel Simmons	Seats (Total: 30)
	Tu 2:00pm - 4:45pm	TYD 0102

GVPT459G **Seminar in Comparative Politics; Political Turning Points: 1948, 1969, 1989 and 2008-12**

GVPT459G Seminar in Comparative Politics: Political Turning Points: 1948, 1969, 1989 and 2008-12; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GVPT200 or GVPT280. For GVPT majors only. All other majors will be placed on the holdfile.

0101	Karol Soltan TuTh 2:00pm - 3:15pm	Seats (Total: 30) TYD 0111	

GVPT459X **Seminar in Comparative Politics; Political Radicalism: Dictators, Dictatorships, and Film**

GVPT459X Seminar in Comparative Politics: Political Radicalism: Dictators, Dictatorships, and Film; (3 credits) Grade Method: REG/P-F/AUD. Prequisite: GVPT200 or GVPT280. For GVPT majors only.All other majors will be placed on the holdfile.

0101	Vladimir Tismaneanu Th 2:00pm - 4:45pm	Seats (Total: 30) SQH 1117	

GVPT473 **The U.S. Congress**

GVPT473 The U.S. Congress; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: GVPT241 and GVPT170. Restriction: Must be in Government & Politics program; and Junior standing or higher.* A detailed survey of lawmaking and the legislative process, emphasizing the U.S. Congress and its members. All other majors will be placed on the holdfile.

0101	Eric Uslaner MW 10:00am - 10:50am F 1:00pm - 1:50pm	Seats (Total: 25) TYD 2106 ASY 3203	 Discussion
0102	Eric Uslaner MW 10:00am - 10:50am F 10:00am - 10:50am	Seats (Total: 25) TYD 2106 TWS 0201	 Discussion
0103	Eric Uslaner MW 10:00am - 10:50am F 9:00am - 9:50am	Seats (Total: 25) TYD 2106 EDU 0206	 Discussion

GVPT474 **Political Parties**

GVPT474 Political Parties; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: GVPT241 and GVPT170. Restriction: Must be in Government & Politics program.* A descriptive and analytical examination of American political parties, nominations, elections, and political leadership.

0101	David Karol TuTh 2:00pm - 2:50pm F 9:00am - 9:50am	Seats (Total: 25) TYD 2109 EDU 2102	 Discussion
0102	David Karol TuTh 2:00pm - 2:50pm F 10:00am - 10:50am	Seats (Total: 25) TYD 2109 TWS 1107	 Discussion
0103	David Karol TuTh 2:00pm - 2:50pm F 1:00pm - 1:50pm	Seats (Total: 25) TYD 2109 TWS 1106	 Discussion

GVPT475 **The Presidency and the Executive Branch**

GVPT475 The Presidency and the Executive Branch; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GVPT241 and GVPT170. Restriction: Must be in Government & Politics program; and Junior standing or higher. An examination of the U.S. presidency in historical and contemporary perspective: nomination and electoral politics and the president's place in policy-making, administration, and public opinion.

0101	Joseph Wantz TuTh 12:30pm - 1:45pm	Seats (Total: 30) TYD 2102
SG91	Samantha Davis Tu 2:00pm - 4:45pm *Registration is restricted to CCJS-Shady Grove majors. Permission is required for all other students to enroll in courses at Shady Grove. Please email ccjsusg@umd.edu for permission.*	Seats (Total: 40) Location: TBA

GVPT479H **Seminar in American Politics; Political Ambition**

GVPT479H *(PermReq)* **Seminar in American Politics: Political Ambition; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: GVPT170 and GVPT241. For GVPT Honors students only.

0101	Frances Lee TuTh 3:30pm - 4:45pm	Seats (Total: 20) TYD 1102

GVPT479I **Seminar in American Politics; Immigration Politics**

GVPT479I Seminar in American Politics: Immigration Politics; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GVPT170 and GVPT241. For GVPT majors only. All other majors will be placed on the holdfile.

0101	Robert Koulish TuTh 2:00pm - 3:15pm	Seats (Total: 30) TYD 2110	

GVPT479K **Seminar in American Politics; Presidential Elections**

GVPT479K Seminar in American Politics: Presidential Elections; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GVPT170 and GVPT241. For GVPT majors only. All other majors will be placed on the holdfile.

0101	David Karol TuTh 4:00pm - 4:50pm F 9:00am - 9:50am	Seats (Total: 20) TYD 0117 KEY 0117	 Discussion
0102	David Karol TuTh 4:00pm - 4:50pm F 10:00am - 10:50am	Seats (Total: 20) TYD 0117 WDS 1131	 Discussion
0103	David Karol TuTh 4:00pm - 4:50pm F 1:00pm - 1:50pm	Seats (Total: 20) TYD 0117 TLF 1103	 Discussion

GVPT482 **Government and Politics of Latin America**

GVPT482 Government and Politics of Latin America; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GVPT200; and (GVPT282 or GVPT280). Restriction: Must be in Government & Politics program. A comparative study of the governmental systems and political processes of the Latin American countries.

0101	Ernesto Calvo TuTh 12:30pm - 1:45pm	Seats (Total: 30) TYD 1118	

GVPT484 **Government and Politics of Africa**

GVPT484 Government and Politics of Africa; (3 credits) Grade Method: REG/P-F/AUD.

Prerequisite: GVPT282 or GVPT280. A comparative study of the governmental systems and political processes of the African countries, with special emphasis on the problems of nation-building in emergent countries. For GVPT majors only. All other majors will be placed on the holdfile.

0101	John McCauley MW 2:00pm - 3:15pm	Seats (Total: 30) TYD 0101	

GVPT622 **Quantitative Methods For Political Science**

GVPT622 Quantitative Methods For Political Science; (3 credits) Grade Method: REG/AUD.

Introduction to quantitiative methods of data analysis, with emphasis on statistical methods and computer usage. Measures of association, probability, correlation, linear regression estimation techniques, introductory analysis of variance, and use of package computer programs. Course will meet in the LeFrak OASIS lab. For GVPT majors only.

0101	David Cunningham Th 11:00am - 1:45pm M 3:15pm - 5:15pm	Seats (Total: 12) LEF LAB 3 LEF LAB 5	 Discussion
0102	David Cunningham Th 3:30pm - 6:15pm M 3:15pm - 5:15pm	Seats (Total: 12) LEF LAB 4 LEF LAB 5	 Discussion

GVPT700 **Scope and Method of Political Science**

GVPT700 Scope and Method of Political Science; (3 credits) Grade Method: REG/AUD.

Required of all Ph.D. candidates. A seminar in the methodologies of political science, and their respective applications to different research fields. Interdisciplinary approaches and bibliographical techniques are also reviewed. For GVPT majors only.

0101	Mark Lichbach Tu 9:30am - 12:15pm	Seats (Total: 12) TYD 1111	

0201	Mark Lichbach W 12:30pm - 3:15pm	Seats (Total: 12) TYD 1111	

GVPT708A **Seminar in International Relations Theory; International Relations Theory**

GVPT708A Seminar in International Relations Theory: International Relations Theory; (3 credits) Grade Method: REG/AUD.

0101	Scott Kastner M 12:15pm - 3:00pm	Seats (Total: 12) TYD 1111	

GVPT729A **Special Topics in Quantitative Political Analysis; Advanced Maximum Likelihood Estimation**

GVPT729A Special Topics in Quantitative Political Analysis: Advanced Maximum Likelihood Estimation; (3 credits) Grade Method: REG/AUD.

0101	Michael Hanmer Th 12:30pm - 3:15pm	Seats (Total: 12) LEF LAB 4	

GVPT729G **Special Topics in Quantitative Political Analysis; Intro to Spatial Data Analysis for Social Science Research**

GVPT729G Special Topics in Quantitative Political Analysis: Intro to Spatial Data Analysis for Social Science Research; (3 credits) Grade Method: REG/AUD. Also offered as CCJS699G. Credit will only be granted for one of the following: CCJS699G or GVPT729G.

0101	James Gimpel M 3:15pm - 5:15pm Th 11:00am - 12:30pm	Seats (Total: 20) LEF LAB 4 LEF LAB 5	 Discussion

GVPT741 **Ancient and Medieval Political Philosophy**

GVPT741 Ancient and Medieval Political Philosophy; (3 credits) Grade Method: REG/AUD.

Prerequisite: permission of department. Major writings from the tradition of ancient and medieval political philosophy are studied. The goal is to identify and critically analyze the perennial or persistent questions about political life posed by philosophers in divers times and places.

0101	Charles Alford Tu 6:30pm - 9:15pm	Seats (Total: 12) TYD 1111

GVPT770 **Seminar in American Political Institutions**

GVPT770 Seminar in American Political Institutions; (3 credits) Grade Method: REG/AUD.
This is the core institutions seminar in American politics. The course surveys the primary literature in the field and addresses substantively significant topics related to the study of political institutions in the American context.

0101	Frances Lee Tu 9:30am - 12:15pm	Seats (Total: 12) TYD 1136

GVPT799 **Master's Thesis Research**

GVPT799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

GVPT803 **Seminar in International Political Organization**

GVPT803 Seminar in International Political Organization; (3 credits) Grade Method: REG/AUD.
A study of the forms and functions of various international organizations.

0101	Virginia Haufler W 3:30pm - 6:15pm	Seats (Total: 12) TYD 1111

GVPT834 **Game Theory**

GVPT834 Game Theory; (3 credits) Grade Method: REG/AUD.
Introductory game theory class. Topics include the meaning of payoffs (ordinal and cardinal utility,) Nash equilibria, subgame perfect equilibria, rationalizability, repeated games and folk theorems, evolutionary games and evolutionary equilibria, signaling and perfect Bayesian equilibria, correlated equilibria and mechanism design.

0101	Piotr Swistak Tu 10:00am - 12:45pm	Seats (Total: 10) EDU 0202

GVPT849 **Readings in Government and Politics**

GVPT849 *(PermReq)* **Readings in Government and Politics; (3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

GVPT870 **Interest Groups Politics in the United States**

GVPT870 Interest Groups Politics in the United States; (3 credits) Grade Method: REG/AUD.
Recommended: GVPT770. The theory and practice of interest group politics in the United States.

0101	Kristina Miler	Seats (Total: 12)
	Tu 12:30pm - 3:15pm	TYD 1111

GVPT878E **Problems in American Government and Politics; Political Polarization**

GVPT878E Problems in American Government and Politics: Political Polarization; (3 credits) Grade Method: REG/AUD.

0101	Eric Uslaner	Seats (Total: 12)
	M 3:30pm - 6:15pm	TYD 1136

GVPT887 **Seminar in the Politics of Developing Nations**

GVPT887 Seminar in the Politics of Developing Nations; (3 credits) Grade Method: REG/AUD.
An examination of the programs of political development in the emerging nations with special references to the newly independent nations of Asia and Africa, and the less developed countries of Latin America. Individual reporting as assigned.

0101	Joel Simmons	Seats (Total: 12)
	M 12:30pm - 3:15pm	TYD 1136

GVPT898 **Pre-Candidacy Research**

GVPT898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

GVPT899 **Doctoral Dissertation Research**

GVPT899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HDCC Digital Cultures and Creativity Fall 2012

HDCC105 **Introduction to Digital Cultures and Creativity I**

HDCC105 Introduction to Digital Cultures and Creativity I; (2 credits) Grade Method: REG/P-F/AUD.
Restriction: Must be in the Digital Cultures and Creativity Honors College Living/Learning program. History, concepts, and technologies of creative digital expression, coupled with an introduction to development for particular platforms and devices.

0101	Jason Farman, Krista Caballero M 4:00pm - 5:15pm Contact instructor or department for details. W 5:00pm - 5:50pm	Seats (Total: 18) TYD 0117 QAN 0113	Discussion
0102	Jason Farman, Krista Caballero M 4:00pm - 5:15pm Contact instructor or department for details. W 4:00pm - 4:50pm	Seats (Total: 18) TYD 0117 QAN 0113	Discussion
0103	Jason Farman, Krista Caballero M 4:00pm - 5:15pm Contact instructor or department for details. Th 5:00pm - 5:50pm	Seats (Total: 18) TYD 0117 QAN 0113	Discussion
0104	Jason Farman, Krista Caballero M 4:00pm - 5:15pm Contact instructor or department for details. F 10:00am - 10:50am	Seats (Total: 18) TYD 0117 QAN 0113	Discussion

HDCC208D **Digital Storytelling: Persuasive Authoring and Digital spaces**

HDCC208D Digital Storytelling: Persuasive Authoring and Digital spaces; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course.

0101	Porter Olsen, Jennifer Guiliano, Amanda Visconti, James Smith Th 2:00pm - 4:30pm	Seats (Total: 20) Location: TBA

HDCC208E **Digital Music and Sound**

HDCC208E Digital Music and Sound; (3 credits) Grade Method: REG/P-F/AUD. CORE History or Theory of Arts (HA) Course.

0101	Tara Rodgers TuTh 3:30pm - 4:45pm	Seats (Total: 20) QAN 0113

HDCC208F **Designing Technology for and with Humans**

HDCC208F Designing Technology for and with Humans; (3 credits) Grade Method: REG/P-F/AUD. CORE Interdisciplinary & Emerging Issues (IE) Course.

0101	Evan Golub MW 3:30pm - 4:45pm	Seats (Total: 30) CSI 1122

HEBR Hebrew Fall 2012

HEBR111 **Elementary Hebrew I**

For other courses, see JWST - Jewish Studies. Students who have no knowledge of Hebrew should register for HEBR 111. Students who have studied Hebrew elsewhere are required to consult Avital Feuer.

HEBR111 Elementary Hebrew I; (6 credits) Grade Method: REG/P-F/AUD. *Prerequisite: Must have appropriate Foreign Language Placement Test (FLPT) score. Restriction: Must not have completed HEBR101; and must not have completed HEBR102. Credit only granted for: (HEBR101 and HEBR102) or HEBR111.* Modern Israeli Hebrew. Emphasis on conversation. Study of linguistic structure and development of audio-lingual, writing and reading ability.

0101	Aharona Gazit-Rosenthal MWF 9:00am - 10:50am	Seats (Total: 15) JMZ 3118
0201	Efrat Bernstein, Shirly Malichi MWF 11:00am - 11:50am TuTh 11:00am - 12:15pm	Seats (Total: 15) HBK 0123 EGR 3102
0301	Daria Semchenkova, Limor Bajayo MWF 1:00pm - 1:50pm TuTh 12:30pm - 1:45pm	Seats (Total: 15) JMZ 3118 JMZ 3118

HEBR211 **Intermediate Hebrew I**

HEBR211 Intermediate Hebrew I; (6 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
Prerequisite: HEBR112; or Must have appropriate Foreign Language Placement Test (FLPT) score. Restriction: Must not have completed HEBR201; and must not have completed HEBR202. Credit only granted for: (HEBR201 and HEBR202) or HEBR211. Study of linguistic structure, further development of audio-lingual, reading, writing, and speaking skills. Reading of texts and newspapers designed to give some knowledge of Hebrew life, thought and culture. Individual testing required for placement first week of class.

0101	Aharona Gazit-Rosenthal MWF 11:00am - 12:50pm	Seats (Total: 15) JMZ 0120
0201	Efrat Bernstein, Shirly Malichi MWF 10:00am - 10:50am TuTh 9:30am - 10:45am	Seats (Total: 15) HBK 0123 EGR 1110

HEBR313 **Conversation and Composition I**

HEBR313 Conversation and Composition I; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Humanities.
Prerequisite: HEBR212; or students who have taken courses with similar or comparable course content may contact the department. A practical language course recommended for all students continuing with Hebrew. Review of grammar and composition. Selected readings. Oral and written exercises.

0101	Shira Oz-Sinai TuTh 9:30am - 10:45am	Seats (Total: 15) JMZ 2117
0201	Aharona Gazit-Rosenthal MWF 2:00pm - 2:50pm	Seats (Total: 15) JMZ 2207

HEBR381 **Introduction to Hebrew Cultural Studies**

HEBR381 Introduction to Hebrew Cultural Studies; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: HEBR314; or permission of instructor. Also offered as: JWST381. Credit only granted for: HEBR381 or JWST381. Critical study of Israeli culture with emphasis on literature, film, and art as sites of struggle over political and social meaning during times of cultural transformation. Focus on the historical development of Israeli identity and gender, in particular within the military and Zionist youth movements. Taught in Hebrew.

0101	Shira Oz-Sinai TuTh 11:00am - 12:15pm	Seats (Total: 15) HBK 0115

HEBR386 **Experiential Learning**

HEBR386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F.
Individual Instruction course: contact department or instructor to obtain section number.
Restriction: Must have a Learning Proposal approved by the Office of Experiential Learning Programs, faculty sponsor, and student's internship sponsor; and Junior standing or higher. Contact the department to obtain section numbers.

Contact department for information to register for this course.

HEBR498C **Special Topics in Hebrew; Critical Issues in Israeli Cinema**

HEBR498C Special Topics in Hebrew: Critical Issues in Israeli Cinema; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as FILM430, JWST429J or ISRL449K. Credit will be granted for only one of the following: ISRL449K, JWST429J, and HEBR498C. Taught in English.

0101	Eric Zakim TuTh 2:00pm - 3:15pm	Seats (Total: 30) PLS 1117

HEBR499 **Independent Study in Hebrew**

HEBR499 *(PermReq)* **Independent Study in Hebrew; (1-3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
Contact the department to obtain section numbers.

Contact department for information to register for this course.

HEIP Entrepreneurship and Innovation Fall 2012

HEIP143 **Foundations of Entrepreneurship and Innovation**

HEIP143 Foundations of Entrepreneurship and Innovation; (1 credit) Grade Method: REG/P-F/AUD.
Restriction: Must be in the Entrepreneurship and Innovation Program (EIP).
Foundational ideas and terms in entrepreneurship and innovation are introduced, with attention to developing students understanding of cultivating a business in diverse, global environments; leading and collaborating in a competitive world; developing an entrepreneurial mind for an entrepreneurial world; and industry dynamics of technological innovation.

0101	Jay Smith M 5:00pm - 5:50pm	Seats (Total: 120) SPH 1312

HEIP240 **Exploring International Entrepreneurship and Innovation**

HEIP240 Exploring International Entrepreneurship and Innovation; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Scholarship in Practice.
Restriction: Must be an EIP student in good-standing. An introduction to the opportunities and challenges of entrepreneurship and innovation from an international perspective.

0101	Jay Smith TuTh 12:30pm - 1:45pm	Seats (Total: 26) Location: TBA
0201	Jay Smith TuTh 3:30pm - 4:45pm	Seats (Total: 26) Location: TBA
0301	Jay Smith TuTh 5:00pm - 6:15pm	Seats (Total: 26) Location: TBA

HESP Hearing and Speech Sciences Fall 2012

HESP120 **Introduction to Linguistics**

HESP120 Introduction to Linguistics; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. GenEd: Distributive Studies - History and Social Sciences or Distributive Studies - Scholarship in Practice.
An introduction to the scientific study of natural language with focus on the basic concepts of phonology, syntax, semantics and pragmatics, with subsequent attention to the applied aspects of linguistic principles.

0101	Tess Wood TuTh 12:30pm - 1:45pm	Seats (Total: 45) WDS 1114
0201	Tess Wood TuTh 9:30am - 10:45am	Seats (Total: 45) WDS 1114
FC01	Arifi Waked MW 4:30pm - 5:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 30) WDS 0104

HESP202 **Introduction to Hearing and Speech Sciences**

HESP202 Introduction to Hearing and Speech Sciences; (3 credits) Grade Method: REG/P-F/AUD.
An introduction to communication sciences and disorders; a survey of the bases of normal speech, language and hearing ability, major forms of communicative disorders and their treatment.

0101	Kathleen Skinker TuTh 11:00am - 12:15pm	Seats (Total: 100) LEF 2205

HESP300 **Introduction to Psycholinguistics**

HESP300 Introduction to Psycholinguistics; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Minimum grade of C- in HESP202; or permission of BSOS-Hearing & Speech Sciences department. Recommended: HESP120; or LING200. An introduction to current theories of language and an investigation of their relationship to human communication behavior. Survey of the experimental literature relating to this question.

0101	Rochelle Newman	Seats (Total: 53)
	TuTh 11:00am - 12:15pm	ARC 1105

HESP305 **Anatomy and Physiology of the Speech Mechanism**

HESP305 Anatomy and Physiology of the Speech Mechanism; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Minimum grade of C- in HESP202; or permission of BSOS-Hearing & Speech Sciences department. Anatomy, physiology, and neurology of speech mechanism.

0101	Erin Pickett, Erin Johnson	Seats (Total: 55)
	MW 11:00am - 12:15pm	SKN 0104

HESP311 **Anatomy, Pathology and Physiology of the Auditory System**

HESP311 Anatomy, Pathology and Physiology of the Auditory System; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Minimum grade of C- in HESP202; or permission of BSOS-Hearing & Speech Sciences department. Gross anatomy of the ear and pathways for transmission of sound energy through the peripheral and central auditory system. Causes, development and effects of pathological conditions contributing to temporary or chronic hearing impairments.

0101	Kelly King	Seats (Total: 50)
	TuTh 5:00pm - 6:15pm	SYM 0200

HESP386 **Experiential Learning**

HESP386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Restriction: Junior standing or higher; and permission of BSOS-Hearing Speech Sciences department.

Contact department for information to register for this course.

HESP388 **Undergraduate Research Externship**

HESP388 Undergraduate Research Externship; (1-3 credits) Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HESP389 **LEAP Classroom Internship**

HESP389 LEAP Classroom Internship; (1-3 credits) Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HESP400 **Speech and Language Development in Children**

HESP400 Speech and Language Development in Children; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Minimum grade of C- in HESP300; or permission of BSOS-Hearing & Speech Sciences department. Recommended: LING200 or HESP120. Restriction: Must be in Hearing and Speech Sciences program; or permission of BSOS-Hearing & Speech Sciences department. Analysis of the normal processes of speech and language development in children.

0101	Yi Ting Huang	Seats (Total: 50)
	TuTh 9:30am - 10:45am	LEF 2208

HESP403 **Introduction to Phonetic Science**

HESP403 Introduction to Phonetic Science; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Minimum grade of C- in HESP305; or permission of BSOS-Hearing & Speech Sciences department. Restriction: Must be in Hearing and Speech Sciences program; or permission of BSOS-Hearing & Speech Sciences department. An introduction to physiological, acoustic and perceptual phonetics; broad and narrow phonetic transcription; current models of speech production and perception.

0101	Melissa Stockbridge	Seats (Total: 39)
	TuTh 12:30pm - 1:45pm	TYD 0111

HESP406 **Acquired Neurogenic Communication Disorders in Adults**

HESP406 Acquired Neurogenic Communication Disorders in Adults; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Minimum grade of C- in HESP300 and HESP305; or permission of BSOS-Hearing & Speech Sciences department. Restriction: Must be in Hearing and Speech Sciences program; or permission of BSOS-Hearing & Speech Sciences department. Survey of the dysarthrias and aphasias in adults from an interdisciplinary point of view.

0101	Yasmeen Shah	Seats (Total: 50)
	TuTh 11:00am - 12:15pm	LEF 2208

HESP407 **Bases of Hearing Science**

HESP407 Bases of Hearing Science; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Minimum grade of C- in HESP311; or permission of BSOS-Hearing & Speech Sciences department. Restriction: Must be in Hearing and Speech Sciences program; or permission of BSOS-Hearing & Speech Sciences department.
Fundamentals of hearing, including the physics of sound, anatomy and physiology of peripheral and central auditory nervous system, psychophysical procedures used in measurement of auditory sensation and perception, and topics in psychological acoustics.

0101	Danielle Zion	Seats (Total: 50)
	MW 3:00pm - 4:15pm	TYD 1101

HESP411 **Introduction to Audiology**

HESP411 Introduction to Audiology; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: Minimum grade of C- in HESP311; or permission of BSOS-Hearing & Speech Sciences department. Restriction: Must be in Hearing and Speech Sciences program; or permission of BSOS-Hearing & Speech Sciences department.* An introduction to the field of audiology. Evaluation and remediation of hearing handicaps.

0101	Christopher Zalewski	Seats (Total: 46)
	TuTh 5:00pm - 6:15pm	ASY 1213

HESP417 **Principles and Methods in Speech-Language Pathology and Audiology**

HESP417 *(PermReq)* **Principles and Methods in Speech-Language Pathology and Audiology; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: HESP400 and HESP411; and 1 course with a minimum grade of C- from (HESP402, HESP404, HESP406, HESP410). Or permission of BSOS-Hearing & Speech Sciences department. Restriction: Must be in Hearing and Speech Sciences program; or permission of BSOS-Hearing & Speech Sciences department. The principles underlying the treatment of speech, language and hearing disorders in children and adults. Offered Fall only.

0101	Kathryn Dow-Burger, Lisa Rickard	Seats (Total: 60)
	MW 1:00pm - 2:50pm	KEY 1117

HESP469 **Honor Thesis Research**

HESP469 Honor Thesis Research; (1-3 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HESP469A **Honor Thesis Research**

HESP469A Honor Thesis Research; (1-3 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HESP469B **Honor Thesis Research**

HESP469B Honor Thesis Research; (1-3 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HESP498 **Seminar**

HESP498 Seminar; (3 credits) Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HESP499 **Independent Study; Topics in the Hearing and Speech Sciences**

HESP499 *(PermReq)* **Independent Study: Topics in the Hearing and Speech Sciences; (1-3 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HESP499H **Independent Study**

HESP499H Independent Study; (1-3 credits) Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HESP600 **Instrumentation in Hearing and Speech Sciences**

HESP600 *(PermReq)* **Instrumentation in Hearing and Speech Sciences; (3 credits)** Grade Method: REG/AUD.
Restriction: Must be in Clinical Audiology: Au.D. or Ph.D. (Doctoral) program; and permission of BSOS-Hearing & Speech Sciences department. Or permission of instructor. Types and principles of operation of electronic equipment used in the hearing and speech sciences. Offered Fall only.

0101	Peter Fitzgibbons	Seats (Total: 10)
	W 3:30pm - 6:00pm	LEF 0104A

HESP606 **Basic Hearing Measurements**

HESP606 Basic Hearing Measurements; (3 credits) Grade Method: REG/AUD. *Prerequisite: HESP411; or students who have taken courses with similar or comparable course content may contact the department. Restriction: Must be in Clinical Audiology: Au.D. or Ph.D. (Doctoral) program; and permission of BSOS-Hearing & Speech Sciences department. Or permission of instructor.* Theoretical principles, methodology, and interpretation of routine audiometric tests, including pure tone, speech, and acoustic immittance measures. Modification of procedures for special populations. Equipment calibration and mass hearing screening programs.

0101	Sandra Gordon-Salant	Seats (Total: 30)
	Th 3:30pm - 6:00pm	LEF 0135

HESP612 **Fluency Disorders**

HESP612 *(PermReq)* **Fluency Disorders; (3 credits)** Grade Method: REG/AUD. *Restriction: Must be in Hearing and Speech Sciences: M.A. (Master's) program; and permission of BSOS-Hearing & Speech Sciences department. Or permission of instructor.* The nature of fluency disorders. Principles, methods and procedures for the clinical management of fluency disorders in children and adults.

0101	Vivian Sisskin	Seats (Total: 25)
	Tu 1:00pm - 3:30pm	LEF 0135

HESP616 **Language Disorders in Children**

HESP616 Language Disorders in Children; (3 credits) Grade Method: REG/AUD. *Prerequisite: HESP400; or students who have taken courses with similar or comparable course content may contact the department. Restriction: Must be in Hearing and Speech Sciences: M.A. (Master's) program; and permission of BSOS-Hearing & Speech Sciences department. Or permission of instructor.* Theoretical, empirical and clinical perspectives on language disorders in children.

0101	Nan Ratner	Seats (Total: 20)
	Th 1:00pm - 3:30pm	LEF 0135

HESP622 **Neuromotor Disorders of Speech**

HESP622 *(PermReq)* **Neuromotor Disorders of Speech; (3 credits)** Grade Method: REG/AUD.
Restriction: Must be in Hearing and Speech Sciences: M.A. (Master's) program; and permission of BSOS-Hearing & Speech Sciences department. Or permission of instructor. Effects of neuropathology on speech production. Classification and assessment of the resultant disorders and their treatment.

0101	Nancy Solomon Tu 6:45pm - 9:30pm	Seats (Total: 25) LEF 0135

HESP624 **Voice Disorders**

HESP624 *(PermReq)* **Voice Disorders; (3 credits)** Grade Method: REG/AUD.
Restriction: Permission of BSOS-Hearing & Speech Sciences department. Etiological characteristics, assessment and treatment of phonatory disorders in children and adults.

0101	Yee Key Nicole Li W 4:00pm - 6:30pm	Seats (Total: 30) LEF 0135

HESP630 **Electrophysiological Measurements**

HESP630 Electrophysiological Measurements; (3 credits) Grade Method: REG/AUD.
Prerequisite: HESP606. Restriction: Must be in Clinical Audiology: Au.D. or Ph.D. (Doctoral) program; and permission of BSOS-Hearing & Speech Sciences department. Or permission of instructor. Principles and techniques of physiological and electrophysiological measures of the audio-vestibular mechanisms. Offered fall only.

0101	Tracy Fitzgerald F 1:00pm - 3:30pm	Seats (Total: 10) LEF 0135

HESP638 **Research Practicum**

HESP638 *(PermReq)* **Research Practicum; (1-3 credits)** Grade Method: REG/AUD.
Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HESP639I **Special Topics in Hearing and Speech Sciences; Seminar in Translational Neuroscience**

HESP639I Special Topics in Hearing and Speech Sciences: Seminar in Translational Neuroscience; (3 credits) Grade Method: REG/AUD.
Also offered as BIOL708Z and NACS728I. Credit will be granted for only one of the following: BIOL708Z, HESP639I, or NACS728I.

0101	Patrick Kanold	Seats (Total: 10)
	MW 10:30am - 11:45am	BPS 2249

HESP645 **Pediatric Audiology**

HESP645 *(PermReq)* **Pediatric Audiology; (3 credits)** Grade Method: REG/AUD. *Prerequisite: HESP606. Restriction: Must be in Clinical Audiology: Au.D. or Ph.D. (Doctoral) program; and permission of BSOS-Hearing & Speech Sciences department. Or permission of instructor.* Evaluation and treatement of hearing-impaired children. Offered Fall only.

0101	Helen Lee	Seats (Total: 10)
	Th 6:30pm - 9:00pm	LEF 0135

HESP648A **Clinical Practice in Speech; Diagnostic Procedures**

HESP648A *(PermReq)* **Clinical Practice in Speech: Diagnostic Procedures; (1 credit)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HESP648B **Clinical Practice in Speech; Therapeutic Procedures**

HESP648B *(PermReq)* **Clinical Practice in Speech: Therapeutic Procedures; (1-2 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HESP649A **Clinical Practice in Audiology; Diagnostic Audiology**

HESP649A *(PermReq)* **Clinical Practice in Audiology: Diagnostic Audiology; (1-2 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HESP649B **Clinical Practice in Audiology; Aural Rehabilitation**

HESP649B *(PermReq)* **Clinical Practice in Audiology: Aural Rehabilitation; (1-2 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HESP700 **Hearing Aids**

HESP700 Hearing Aids; (3 credits) Grade Method: REG/AUD.
Principles, methods and procedures for selection, fitting, calibration and management of amplification systems for hearing-impaired children and adults.

0101	Margaret McCabe Tu 3:30pm - 6:00pm	Seats (Total: 10) LEF 0104A

HESP702 **Diagnostic Procedures in Speech-Language Pathology**

HESP702 Diagnostic Procedures in Speech-Language Pathology; (3 credits) Grade Method: REG/AUD.
Restriction: Must be in Hearing and Speech Sciences: M.A. (Master's) program; and permission of BSOS-Hearing & Speech Sciences department. Or permission of instructor. Diagnostic tools and methods in the analysis of speech-language disorders in children and adults.

0101	Colleen Worthington Tu 9:30am - 12:00pm	Seats (Total: 30) LEF 0135

HESP708 **Independent Study**

HESP708 *(PermReq)* **Independent Study; (1-6 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HESP710 **Industrial and Environmental Noise Problems**

HESP710 Industrial and Environmental Noise Problems; (3 credits) Grade Method: REG/AUD.
Restriction: Permission of instructor. Evaluation and control of noise hazards. Effects of noise on man. Medico-legal aspects of noise-induced hearing impairment.

0101	Lynn Cook	Seats (Total: 20)
	W 6:00pm - 8:30pm	LEF 0104A

HESP722 **Psychoacoutics**

HESP722 Psychoacoutics; (3 credits) Grade Method: REG/AUD.
Auditory perception and auditory processing in normal and impaired hearing.

0101	Matthew Goupell	Seats (Total: 7)
	Tu 3:45pm - 6:15pm	TYD 2110

HESP728 **Advanced Clinical Practice in Speech; Advanced Graduate Laboratory Practicum in Speech-Language Pathology**

HESP728 *(PermReq)* **Advanced Clinical Practice in Speech: Advanced Graduate Laboratory Practicum in Speech-Language Pathology; (1-8 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HESP729 **Advanced Clinical Practice in Audiology; Advanced Graduate Laboratory Practicum in Audiology**

HESP729 *(PermReq)* **Advanced Clinical Practice in Audiology: Advanced Graduate Laboratory Practicum in Audiology; (1-8 credits)** Grade Method: REG.

1301	Margaret McCabe	Seats (Total: 10)
	TBA Contact instructor or department for details.	LEF 0135

HESP788 **Graduate Research Externship**

HESP788 Graduate Research Externship; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HESP799 **Master's Thesis Research**

HESP799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HESP818 **Seminar in Language Processing**

HESP818 Seminar in Language Processing; (3 credits) Grade Method: REG.

0101	Jared Novick	Seats (Total: 5)
	M 2:00pm - 4:30pm	BPS 1103

HESP829 **Clinical Internship Residency**

HESP829 Clinical Internship Residency; (1-9 credits) Grade Method: REG/AUD.

1301	Margaret McCabe	Seats (Total: 30)
	Contact instructor or department for details.	

HESP848 **Seminar in Audiology**

HESP848 Seminar in Audiology; (3 credits) Grade Method: REG/AUD.

0101	Nicole Nguyen	Seats (Total: 10)
	M 5:30pm - 8:00pm	LEF 0135

HESP849 **Capstone Research Project I**

HESP849 Capstone Research Project I; (2 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HESP859 **Capstone Research Project II**

HESP859 Capstone Research Project II; (1-2 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HESP889 **Doctoral Candidacy Research**

HESP889 Doctoral Candidacy Research; (1-3 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HESP898 **Pre-Candidacy Research**

HESP898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HESP899 **Doctoral Dissertation Research**

HESP899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HHUM Honors Humanities Fall 2012

HHUM105 **Honors Humanities: Introduction to the Arts and Humanities**

HHUM105 Honors Humanities: Introduction to the Arts and Humanities; (3 credits) Grade Method: REG. CORE Literature (HL) Course. GenEd: Distributive Studies - Humanities.
Restriction: Must be an entering freshmen in the Honors Humanities Program. Credit only granted for: ARHU105 or HHUM105. Formerly: ARHU105. Introduction to the university, the different fields of the arts and humanities, and the history of how the university and the humanities have evolved across the world from ancient times to the present. Primary emphasis on reading and discussion of literary artifacts to assess the meaning and social status of the arts and humanities in the past and their personal and social value for the future.

0101	Valerie Orlando M 3:30pm - 4:45pm W 3:30pm - 4:45pm	Seats (Total: 16) SYM 0200 JMZ 0205	Discussion
0102	Valerie Orlando M 3:30pm - 4:45pm W 3:30pm - 4:45pm	Seats (Total: 16) SYM 0200 JMZ 2207	Discussion
0103	Valerie Orlando M 3:30pm - 4:45pm W 2:00pm - 3:15pm	Seats (Total: 16) SYM 0200 JMZ 3205	Discussion
0104	Valerie Orlando M 3:30pm - 4:45pm W 5:00pm - 6:15pm	Seats (Total: 16) SYM 0200 JMZ 0205	Discussion

HHUM205 **Second Year Seminar in Honors Humanities**

HHUM205 Second Year Seminar in Honors Humanities; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
Credit only granted for: ARHU205 or HHUM205. Formerly: ARHU205. Seminar on basic issues and methodologies in the humanities and arts.

0101	Dana Carluccio TuTh 4:00pm - 5:15pm	Seats (Total: 13) TLF 1101
0301	Sarah Sillin, Dana Carluccio MW 2:00pm - 3:15pm	Seats (Total: 13) KEY 0119
0401	Sarah Sillin, Dana Carluccio MW 3:30pm - 4:45pm	Seats (Total: 13) KEY 0119

HHUM328 **Internship in Honors Humanities**

HHUM328 Internship in Honors Humanities; (1-3 credits) Grade Method: REG.

0101	Dana Carluccio Contact instructor or department for details.	Seats (Total: 5)

HHUM329 **Undergraduate Teaching Assistantship**

HHUM329 Undergraduate Teaching Assistantship; (1-3 credits) Grade Method: REG.

0101	Dana Carluccio	Seats (Total: 3)	
	Contact instructor or department for details.		

HISP Historic Preservation Fall 2012

HISP200 **The Everyday and the American Environment**

HISP200 The Everyday and the American Environment; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - Humanities.
Also offered as: HISP615. An introduction to the theories of the everyday within the context of the American built environment. Focuses primarily on the American experience of underrepresented, minority, and/or immigrant communities; both historical and contemporary. Attempts to challenge what is meant by American in describing the American everyday built environment.

0101	Michele Lamprakos	Seats (Total: 20)	
	W 3:30pm - 4:45pm Tu 2:00pm - 3:15pm	ARC 0204 ARC 1121	Discussion
0103	Michele Lamprakos	Seats (Total: 20)	
	W 3:30pm - 4:45pm Tu 9:30am - 10:45am	ARC 0204 ARC 1105	Discussion
0104	Michele Lamprakos	Seats (Total: 20)	
	W 3:30pm - 4:45pm Tu 11:00am - 12:15pm	ARC 0204 ARC 1121	Discussion

HISP600 **Introductory Seminar in Historic Preservation: Theory, History and Practice**

HISP600 *(PermReq)* **Introductory Seminar in Historic Preservation: Theory, History and Practice; (3 credits)** Grade Method: REG/AUD.
Prerequisite: Permission of ARCH-Historic Preservation Program. An introduction to the wide range of ideas underpinning the practice of preservation covered through readings, discussions, presentations, class projects, and field trips.

0101	Donald Linebaugh	Seats (Total: 25)	
	W 7:00pm - 9:40pm	ARC 1105	

HISP611 **Historical Research Methods**

HISP611 *(PermReq)* **Historical Research Methods; (3 credits)** Grade Method: REG/AUD.
Prerequisite: Permission of ARCH-Historic Preservation Program. Credit only granted for: HISP610 or HISP611. Research methods used by professional historic preservationists to identify and record historic structures and sites. Emphasizes inter/multidisciplinary nature of contemporary preservation practice using archival and ethnographic evidence as a basis for establishing significance. Department permission required.

0101	Kirsten Crase Th 7:00pm - 9:40pm	Seats (Total: 15) ARC 1125

HISP629 **Independent Studies in Historic Preservation**

HISP629 *(PermReq)* **Independent Studies in Historic Preservation; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HISP650 **Historic Preservation Studio Workshop**

HISP650 *(PermReq)* **Historic Preservation Studio Workshop; (6 credits)** Grade Method: REG/AUD.
Prerequisite: HISP600; and permission of ARCH-Historic Preservation Program. Restriction: Must be in a major in ARCH-Historic Preservation Program. Students carry out a group preservation project in a local community, from inception and problem formulation through completion. Guided carefully by a faculty team, students will conduct research, interact with communities, perform analyses, and propose solutions for an issue or problem of direct relevance to a local community and client group. Department permission required.

0101	Michele Lamprakos TuTh 4:00pm - 6:40pm	Seats (Total: 15) ARC 1117

HISP655 **American Vernacular Architecture**

HISP655 *(PermReq)* **American Vernacular Architecture; (3 credits)** Grade Method: REG/AUD.
Prerequisite: Permission of ARCH-Historic Preservation Program. Credit only granted for: HISP655 or HISP619V. Formerly: HISP619V. History, theory, and practice of American vernacular architecture including a review of common building technologies, structure, and style, and focusing on methods and approaches for recording, documenting and analyzing these historic resources. Department permission required.

0101	Donald Linebaugh Tu 7:00pm - 9:40pm	Seats (Total: 15) Location: TBA

HISP660 **Internship in Historic Preservation**

HISP660 *(PermReq)* **Internship in Historic Preservation; (3 credits)** Grade Method: REG/AUD.
Prerequisite: Permission of ARCH-Historic Preservation Program. Formerly: HISP619. Students will secure a summer internship with an organization engaged in historic preservation work (this can be a public agency, nonprofit, or private firm). The students will formulate a plan of work and a series of pedagogical goals to satisfy both the practical needs of the project and the academic requirements for the course.

0101	Donald Linebaugh Contact instructor or department for details.	Seats (Total: 10)

HISP680 **Preservation Economics**

HISP680 *(PermReq)* **Preservation Economics; (3 credits)** Grade Method: REG/AUD.
Prerequisite: Permission of ARCH-Historic Preservation Program. Credit only granted for: HISP619N or HISP680. Formerly: HISP619N. Students are introduced to a range of economic theories, methods, and issues that must be considered in the practice of historic preservation. Case studies related to community economic development, adaptive reuse, tax credit programs, project finance, and land use will be presented.

0101	Alfred Tetrault M 7:00pm - 9:40pm	Seats (Total: 20) ARC 1123

HISP701 **Certificate Portfolio Project**

HISP701 *(PermReq)* **Certificate Portfolio Project; (1 credit)** Grade Method: REG/AUD.
Prerequisite: Permission of ARCH-Historic Preservation Program. Students will gather samples of their work and craft a synthetic statement on their experiences in their HISP certificate courses (for example, picking up on themes such as community involvement, diversity of practice, affordable housing, or sustainability), and the ways in which they have integrated historic preservation into their thinking and practice in their home discipline. Department permission required.

0101	Donald Linebaugh	Seats (Total: 10)
	Contact instructor or department for details.	

HISP710 **Final Project in Historic Preservation I**

HISP710 *(PermReq)* **Final Project in Historic Preservation I; (1 credit)** Grade Method: REG/AUD.
Credit only granted for: HISP700 or HISP710. Formerly: HISP700. An independent, applied research project investigating the preservation of a particular site or a specialized issue in historic preservation. This is part one of a two-semester sequence and involves developing the project proposal and bibliography. Department permission required.

0101	Donald Linebaugh	Seats (Total: 10)
	TBA	ARC 1117

HISP711 **Final Project in Historic Preservation II**

HISP711 *(PermReq)* **Final Project in Historic Preservation II; (2 credits)** Grade Method: REG/AUD.
Credit only granted for: HISP700 or HISP711. Formerly: HISP700. An independent, applied research project invesitgating the preservation of a particular site or a specialized issue in historic preservation. This is part two of a two semester sequence and involves project research and writing. Department permission required.

0101	Donald Linebaugh	Seats (Total: 10)
	Contact instructor or department for details.	

HIST History Fall 2012

HIST110 **The Ancient World**

HIST110 The Ancient World; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course. GenEd: Distributive Studies - Humanities.
Interpretation of select literature and art of the ancient Mediterranean world with a view to illuminating the antecedents of modern culture; religion and myth in the ancient near East; Greek philosophical, scientific, and literary invention; and the Roman tradition in politics and administration.

0101	Arthur Eckstein TuTh 11:00am - 11:50am M 10:00am - 10:50am	Seats (Total: 20) KEY 0106 KEY 0117	 Discussion
0102	Arthur Eckstein TuTh 11:00am - 11:50am Tu 9:30am - 10:20am	Seats (Total: 20) KEY 0106 WDS 1131	 Discussion
0103	Arthur Eckstein TuTh 11:00am - 11:50am W 11:00am - 11:50am	Seats (Total: 20) KEY 0106 EDU 0202	 Discussion
0104	Arthur Eckstein TuTh 11:00am - 11:50am Tu 12:30pm - 1:20pm	Seats (Total: 20) KEY 0106 HBK 1112	 Discussion
0105	Arthur Eckstein TuTh 11:00am - 11:50am Th 9:30am - 10:20am	Seats (Total: 20) KEY 0106 JMZ 0122	 Discussion
0106	Arthur Eckstein TuTh 11:00am - 11:50am M 12:00pm - 12:50pm	Seats (Total: 20) KEY 0106 KEY 0121	 Discussion
0107	Arthur Eckstein TuTh 11:00am - 11:50am W 2:00pm - 2:50pm	Seats (Total: 20) KEY 0106 KEY 0123	 Discussion
0108	Arthur Eckstein TuTh 11:00am - 11:50am Th 12:30pm - 1:20pm	Seats (Total: 20) KEY 0106 JMZ 0103	 Discussion

HIST113 The Making of Modern Europe

HIST113 The Making of Modern Europe; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. GenEd: Distributive Studies - History and Social Sciences.
Evolution of modern nation states since late medieval times. Industrial-economic structure and demography. Emergence of modern secular society.

0101	John Lampe TuTh 2:00pm - 2:50pm W 9:00am - 9:50am	Seats (Total: 20) KEY 0102 KEY 0117	Discussion
0102	John Lampe TuTh 2:00pm - 2:50pm W 11:00am - 11:50am	Seats (Total: 20) KEY 0102 LEF 1222	Discussion
0103	John Lampe TuTh 2:00pm - 2:50pm M 9:00am - 9:50am	Seats (Total: 20) KEY 0102 KEY 0117	Discussion
0104	John Lampe TuTh 2:00pm - 2:50pm M 11:00am - 11:50am	Seats (Total: 20) KEY 0102 LEF 1222	Discussion

HIST120 **Islamic Civilization**

HIST120 Islamic Civilization; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - Humanities.
Also offered as: RELS120. Credit only granted for: HIST120 or RELS120. Introduction to society and culture in the Middle East since the advent of Islam: as a personal and communal faith; as artistic and literary highlights of intellectual and cultural life; and as the interplay between politics and religion under the major Islamic regimes.

0101	Antoine Borrut MW 9:00am - 9:50am W 1:00pm - 1:50pm	Seats (Total: 20) KEY 0102 KEY 0119	Discussion
0102	Antoine Borrut MW 9:00am - 9:50am W 12:00pm - 12:50pm	Seats (Total: 20) KEY 0102 KEY 0119	Discussion

0103	Antoine Borrut MW 9:00am - 9:50am F 1:00pm - 1:50pm	Seats (Total: 20) KEY 0102 KEY 0119	Discussion
0104	Antoine Borrut MW 9:00am - 9:50am F 12:00pm - 12:50pm	Seats (Total: 20) KEY 0102 KEY 0119	Discussion

HIST122 **African Civilization to 1800**

HIST122 African Civilization to 1800; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - History and Social Sciences; Diversity - Understanding Plural Societies.
History of Africa from earliest times to 1800. Topics of study include origins of African societies, Nile Valley civilization, medieval African states and societies, Islam, oral traditions, African slavery and the slave trade, and early African-European interactions. Also offered as AASP298A.

0101	Hilary Jones MW 12:00pm - 12:50pm M 2:00pm - 2:50pm	Seats (Total: 20) TYD 2106 KEY 0117	Discussion
0102	Hilary Jones MW 12:00pm - 12:50pm W 1:00pm - 1:50pm	Seats (Total: 20) TYD 2106 KEY 0117	Discussion
0103	Hilary Jones MW 12:00pm - 12:50pm Th 12:30pm - 1:20pm	Seats (Total: 20) TYD 2106 KEY 0117	Discussion
0104	Hilary Jones MW 12:00pm - 12:50pm Th 9:30am - 10:20am	Seats (Total: 20) TYD 2106 KEY 0117	Discussion

HIST130 **Hot Spots: Violence, Catastrophe and Civilian Conflict in Worldwide Historical Perspectives**

HIST130 Hot Spots: Violence, Catastrophe and Civilian Conflict in Worldwide Historical Perspectives; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. GenEd: Distributive Studies - History and Social Sciences; Signature Courses - I-Series.
Credit only granted for: HIST130 or HIST289A. Formerly: HIST289A. History behind late twentieth and early twenty-first century headlines; explores historical explanations for hot spots of unrest and civilian violence from the Congo to Srebrenica.

0101	Paul Landau MW 10:00am - 10:50am M 1:00pm - 1:50pm	Seats (Total: 20) TYD 2111 ASY 3215	Discussion
0102	Paul Landau MW 10:00am - 10:50am M 2:00pm - 2:50pm	Seats (Total: 20) TYD 2111 KEY 0123	Discussion
0103	Paul Landau MW 10:00am - 10:50am W 9:00am - 9:50am	Seats (Total: 20) TYD 2111 KEY 0124	Discussion

HIST133 **"God Wills It!" The Crusades in Medieval and Modern Perspectives**

HIST133 "God Wills It!" The Crusades in Medieval and Modern Perspectives; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. GenEd: Distributive Studies - History and Social Sciences; Signature Courses - I-Series.
Also offered as: RELS289. Credit only granted for: HIST133, HIST289D, or RELS289D. Formerly: HIST289D. An examination of the identities and convictions both of the Western Europeans who participated in the Crusades and of the Easterners (Muslim, Christian, and Jewish) whom the encountered in the Holy Land. Focuses on the era of the first four great crusades, from about 1095 to 1215. Consideration of the cultural impact of these movements on both Western Europe and the Middle East.

0101	Janna Bianchini MW 3:00pm - 3:50pm M 1:00pm - 1:50pm	Seats (Total: 20) SHM 2102 JMZ 1215	Discussion

0102	Janna Bianchini MW 3:00pm - 3:50pm M 2:00pm - 2:50pm	Seats (Total: 20) SHM 2102 LEF 1222	Discussion
0103	Janna Bianchini MW 3:00pm - 3:50pm W 2:00pm - 2:50pm	Seats (Total: 20) SHM 2102 LEF 1220	Discussion
0104	Janna Bianchini MW 3:00pm - 3:50pm M 10:00am - 10:50am	Seats (Total: 20) SHM 2102 KEY 0123	Discussion
0105	Janna Bianchini MW 3:00pm - 3:50pm W 10:00am - 10:50am	Seats (Total: 20) SHM 2102 KEY 0117	Discussion
0106	Janna Bianchini MW 3:00pm - 3:50pm W 1:00pm - 1:50pm	Seats (Total: 20) SHM 2102 ASY 3215	Discussion
FC01	Janna Bianchini MW 4:30pm - 5:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 25) KEY 0121	

HIST136 **Moneyland: Business in American Culture**

HIST136 Moneyland: Business in American Culture; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. GenEd: Distributive Studies - History and Social Sciences; Signature Courses - I-Series.
Examines the interplay between America's stature as a business society and the public distrust of commerce, big business, and money.

0101	David Sicilia TuTh 9:30am - 10:20am M 10:00am - 10:50am	Seats (Total: 20) KEY 0106 KEY 0125	Discussion
0102	David Sicilia TuTh 9:30am - 10:20am M 11:00am - 11:50am	Seats (Total: 20) KEY 0106 SKN 1112	Discussion

0103	David Sicilia TuTh 9:30am - 10:20am M 2:00pm - 2:50pm	Seats (Total: 20) KEY 0106 LEF 1221	Discussion
0104	David Sicilia TuTh 9:30am - 10:20am Tu 12:30pm - 1:20pm	Seats (Total: 20) KEY 0106 JMZ 3203	Discussion
0105	David Sicilia TuTh 9:30am - 10:20am M 1:00pm - 1:50pm	Seats (Total: 20) KEY 0106 LEF 1220	Discussion
0106	David Sicilia TuTh 9:30am - 10:20am Tu 2:00pm - 2:50pm	Seats (Total: 20) KEY 0106 TLF 1101	Discussion

HIST137 **Pursuits of Happiness: Ordinary Lives in the American Revolution**

HIST137 Pursuits of Happiness: Ordinary Lives in the American Revolution; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. GenEd: Distributive Studies - History and Social Sciences; Signature Courses - I-Series.
Credit only granted for: HIST289E or HIST137. Formerly: HIST289E. Investigates the search for personal fulfillment unleashed by the American Revolution; explores the many different meanings ascribed to the notion of the "pursuit of happiness" by Americans in the early national period.

0101	Richard Bell TuTh 4:00pm - 4:50pm F 12:00pm - 12:50pm	Seats (Total: 20) SHM 2102 KEY 0121	Discussion
0102	Richard Bell TuTh 4:00pm - 4:50pm F 2:00pm - 2:50pm	Seats (Total: 20) SHM 2102 KEY 0121	Discussion
0103	Richard Bell TuTh 4:00pm - 4:50pm F 9:00am - 9:50am	Seats (Total: 20) SHM 2102 TLF 2103	Discussion

0104	Richard Bell TuTh 4:00pm - 4:50pm F 10:00am - 10:50am	Seats (Total: 20) SHM 2102 TLF 2103	Discussion
0105	Richard Bell TuTh 4:00pm - 4:50pm F 11:00am - 11:50am	Seats (Total: 20) SHM 2102 TLF 2103	Discussion
0106	Richard Bell TuTh 4:00pm - 4:50pm F 1:00pm - 1:50pm	Seats (Total: 20) SHM 2102 TLF 2103	Discussion
FC01	Richard Bell TuTh 6:30pm - 7:45pm *Restricted to students in Freshman Connection.*	Seats (Total: 30) KEY 0126	

HIST140 **The Practice of Tolerance in Religious Societies**

HIST140 The Practice of Tolerance in Religious Societies; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - Humanities; Diversity - Understanding Plural Societies; Signature Courses - I-Series.
Formerly HIST289G. Also offered as JWST289T and RELS289T. Credit will be granted for only one of the following: HIST289G, HIST140, JWST289T, or RELS289T.

0101	Bernard Cooperman TuTh 9:30am - 10:20am Tu 12:30pm - 1:20pm	Seats (Total: 20) KEY 1117 JMZ 1224	Discussion
0102	Bernard Cooperman TuTh 9:30am - 10:20am Th 11:00am - 11:50am	Seats (Total: 20) KEY 1117 JMZ 0103	Discussion
0103	Bernard Cooperman TuTh 9:30am - 10:20am Th 2:00pm - 2:50pm	Seats (Total: 20) KEY 1117 JMZ 1120	Discussion

HIST200 **Interpreting American History: Beginnings to 1877**

HIST200 Interpreting American History: Beginnings to 1877; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. GenEd: Distributive Studies - History and Social Sciences or Distributive Studies - Humanities. *Credit only granted for: HIST156 or HIST200. Formerly: HIST156.* The United States from colonial times to the end of the Civil War. Establishment and development of American institutions.

0101	Robert Chiles TuTh 2:00pm - 2:50pm F 2:00pm - 2:50pm	Seats (Total: 20) LEF 2205 KEY 0123	Discussion
0102	Robert Chiles TuTh 2:00pm - 2:50pm F 3:00pm - 3:50pm	Seats (Total: 20) LEF 2205 KEY 0120	Discussion
0103	Robert Chiles TuTh 2:00pm - 2:50pm Th 3:00pm - 3:50pm	Seats (Total: 20) LEF 2205 ASY 3217	Discussion
0106	Robert Chiles TuTh 2:00pm - 2:50pm F 11:00am - 11:50am	Seats (Total: 20) LEF 2205 KEY 0117	Discussion
0107	Robert Chiles TuTh 2:00pm - 2:50pm F 12:00pm - 12:50pm	Seats (Total: 20) LEF 2205 KEY 0117	Discussion
0109	Robert Chiles TuTh 2:00pm - 2:50pm Tu 12:30pm - 1:20pm	Seats (Total: 20) LEF 2205 KEY 0120	Discussion
0110	Robert Chiles TuTh 2:00pm - 2:50pm Tu 3:00pm - 3:50pm	Seats (Total: 20) LEF 2205 TLF 1101	Discussion
0111	Robert Chiles TuTh 2:00pm - 2:50pm Th 12:30pm - 1:20pm	Seats (Total: 20) LEF 2205 KEY 0123	Discussion

0201	Miles Bradbury MW 11:00am - 11:50am Tu 9:30am - 10:20am	Seats (Total: 20) LEF 2205 KEY 0123	Discussion
0202	Miles Bradbury MW 11:00am - 11:50am Tu 12:30pm - 1:20pm	Seats (Total: 20) LEF 2205 JMZ 1103	Discussion
0203	Miles Bradbury MW 11:00am - 11:50am Tu 2:00pm - 2:50pm	Seats (Total: 20) LEF 2205 JMZ 1120	Discussion
0204	Miles Bradbury MW 11:00am - 11:50am Tu 3:00pm - 3:50pm	Seats (Total: 20) LEF 2205 JMZ 2120	Discussion
0205	Miles Bradbury MW 11:00am - 11:50am W 9:00am - 9:50am	Seats (Total: 20) LEF 2205 KEY 0120	Discussion
0206	Miles Bradbury MW 11:00am - 11:50am W 12:00pm - 12:50pm	Seats (Total: 20) LEF 2205 KEY 0121	Discussion
0207	Miles Bradbury MW 11:00am - 11:50am W 10:00am - 10:50am	Seats (Total: 20) LEF 2205 KEY 0124	Discussion
0208	Miles Bradbury MW 11:00am - 11:50am Tu 11:00am - 11:50am	Seats (Total: 20) LEF 2205 BPS 1232	Discussion
FC01	Donald McNeilly MW 6:00pm - 7:15pm *Restricted to students in Freshman Connection.*	Seats (Total: 25) KEY 0121	

HIST201 Interpreting American History: From 1865 to the Present

HIST201 Interpreting American History: From 1865 to the Present; (3 credits)
Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. GenEd: Distributive Studies - History and Social Sciences or Distributive Studies - Humanities; Diversity - Understanding Plural Societies.
Credit only granted for: HIST157 or HIST201. Formerly: HIST157. The United States from the end of the Civil War to the present. Economic, social, intellectual, and political developments. Rise of industry and emergence of the United States as a world power.

0101	Katarina Keane MW 10:00am - 10:50am Tu 9:30am - 10:20am	Seats (Total: 20) KEY 0106 SQH 1121	Discussion
0102	Katarina Keane MW 10:00am - 10:50am M 11:00am - 11:50am	Seats (Total: 20) KEY 0106 TLF 1101	Discussion
0103	Katarina Keane MW 10:00am - 10:50am Th 9:30am - 10:20am	Seats (Total: 20) KEY 0106 TYD 0101	Discussion
0104	Katarina Keane MW 10:00am - 10:50am Tu 2:00pm - 2:50pm	Seats (Total: 20) KEY 0106 TYD 1108	Discussion
0105	Katarina Keane MW 10:00am - 10:50am Th 12:30pm - 1:20pm	Seats (Total: 20) KEY 0106 PLS 1164	Discussion
0106	Katarina Keane MW 10:00am - 10:50am M 2:00pm - 2:50pm	Seats (Total: 20) KEY 0106 ASY 3211	Discussion
0107	Katarina Keane MW 10:00am - 10:50am M 1:00pm - 1:50pm	Seats (Total: 20) KEY 0106 EDU 2102	Discussion
0108	Katarina Keane MW 10:00am - 10:50am M 9:00am - 9:50am	Seats (Total: 20) KEY 0106 KEY 0124	Discussion

0201	Edwin Smead MW 12:00pm - 12:50pm W 10:00am - 10:50am	Seats (Total: 20) KEY 0106 KEY 0121	Discussion
0202	Edwin Smead MW 12:00pm - 12:50pm Th 12:30pm - 1:20pm	Seats (Total: 20) KEY 0106 JMZ 1124	Discussion
0203	Edwin Smead MW 12:00pm - 12:50pm W 2:00pm - 2:50pm	Seats (Total: 20) KEY 0106 ASY 3211	Discussion
0204	Edwin Smead MW 12:00pm - 12:50pm F 11:00am - 11:50am	Seats (Total: 20) KEY 0106 LEF 1221	Discussion
0205	Edwin Smead MW 12:00pm - 12:50pm F 1:00pm - 1:50pm	Seats (Total: 20) KEY 0106 LEF 1222	Discussion
0206	Edwin Smead MW 12:00pm - 12:50pm W 9:00am - 9:50am	Seats (Total: 20) KEY 0106 KEY 0123	Discussion
0207	Edwin Smead MW 12:00pm - 12:50pm W 11:00am - 11:50am	Seats (Total: 20) KEY 0106 LEF 1221	Discussion
0208	Edwin Smead MW 12:00pm - 12:50pm Th 11:00am - 11:50am	Seats (Total: 20) KEY 0106 LEF 1222	Discussion
0302	David Sicilia TuTh 3:00pm - 3:50pm M 11:00am - 11:50am	Seats (Total: 20) SHM 2102 LEF 1220	Discussion
0305	David Sicilia TuTh 3:00pm - 3:50pm Tu 2:00pm - 2:50pm	Seats (Total: 20) SHM 2102 KEY 0121	Discussion

0306	David Sicilia TuTh 3:00pm - 3:50pm Tu 12:30pm - 1:20pm	Seats (Total: 20) SHM 2102 JMZ 2120	 Discussion
0307	David Sicilia TuTh 3:00pm - 3:50pm Tu 11:00am - 11:50am	Seats (Total: 20) SHM 2102 LEF 1221	 Discussion
FC01	Mark Goldstein MW 7:30pm - 8:45pm *Restricted to students in Freshman Connection.*	Seats (Total: 20) KEY 0121	
FC02	Robert Chiles TuTh 5:00pm - 6:15pm *Restricted to students in Freshman Connection.*	Seats (Total: 20) KEY 0120	

HIST204 **Introduction to the History of Science**

HIST204 Introduction to the History of Science; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. GenEd: Distributive Studies - History and Social Sciences.
Credit only granted for: HIST174 or HIST204. Formerly: HIST174. An exploration of the roots of modern science from the ancient Greeks through the medieval and early modern periods. Focus on the men and women who helped to create the sciences as well as changing public perceptions of their disciplines.

FC01	David Tomblin TuTh 6:30pm - 7:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 23) KEY 0125	

HIST206 **Introduction to the History of Technology**

HIST206 Introduction to the History of Technology; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. GenEd: Distributive Studies - History and Social Sciences.
Credit only granted for: HIST175 or HIST206. Formerly: HIST175. Introduction to the history of major technological changes and innovations; examination of the revolutionizing potential of technology.

0101	Robert Friedel MW 2:00pm - 2:50pm Th 9:30am - 10:20am	Seats (Total: 20) MCB 1207 KEY 0123	Discussion
0102	Robert Friedel MW 2:00pm - 2:50pm Th 11:00am - 11:50am	Seats (Total: 20) MCB 1207 CHM 0122	Discussion
0103	Robert Friedel MW 2:00pm - 2:50pm F 9:00am - 9:50am	Seats (Total: 20) MCB 1207 KEY 0103	Discussion
0104	Robert Friedel MW 2:00pm - 2:50pm F 11:00am - 11:50am	Seats (Total: 20) MCB 1207 JMP 1202	Discussion

HIST208D **Historical Research and Methods Seminar; Nationalism, Conflict, and Sectarianism: 20th Century Middle East History**

HIST208D *(PermReq)* **Historical Research and Methods Seminar: Nationalism, Conflict, and Sectarianism: 20th Century Middle East History; (3 credits)** Grade Method: REG.

Prerequisite: Permission of the department required.

0101	Harrison Guthorn M 9:00am - 11:00am Contact instructor or department for details.	Seats (Total: 15) TLF 2100	
0102	Harrison Guthorn Tu 12:00pm - 2:00pm Contact instructor or department for details.	Seats (Total: 15) TLF 2100	

HIST208E **Historical Research and Methods Seminar; Global Revolt: 1968 Youth Movements in Transnational Perspective**

HIST208E *(PermReq)* **Historical Research and Methods Seminar: Global Revolt: 1968 Youth Movements in Transnational Perspective; (3 credits)** Grade Method: REG.

Prerequisite: Permission of the department required.

0101	Alan Dillingham M 2:00pm - 4:00pm Contact instructor or department for details.	Seats (Total: 15) KEY 0107
0102	Alan Dillingham W 1:00pm - 3:00pm Contact instructor or department for details.	Seats (Total: 15) TLF 2100

HIST208G **Historical Research and Methods Seminar; Messages, Manipulation, and Modernity: Mass Media and American Culture**

HIST208G *(PermReq)* **Historical Research and Methods Seminar: Messages, Manipulation, and Modernity: Mass Media and American Culture; (3 credits)**

Grade Method: REG.

Prerequisite: Permission of the department required.

0101	Peter Libero W 9:00am - 11:00am Contact instructor or department for details.	Seats (Total: 15) TLF 2103
0102	Peter Libero Tu 9:00am - 11:00am Contact instructor or department for details.	Seats (Total: 15) TLF 2103

HIST208Q **Historical Research and Methods Seminar; Mad Men and Mass Consumption: Advertising and Consumer Culture in the Americas**

HIST208Q Historical Research and Methods Seminar: Mad Men and Mass Consumption: Advertising and Consumer Culture in the Americas; (3 credits)

Grade Method: REG.

Prerequisite: Permission of the department required.

0101	Shawn Moura Th 9:00am - 11:00am Contact instructor or department for details.	Seats (Total: 15) TLF 2103
0102	Shawn Moura Tu 11:00am - 1:00pm Contact instructor or department for details.	Seats (Total: 15) TLF 2108

HIST208R **Historical Research and Methods Seminar; Irrational Hatred: European Antisemitism**

HIST208R *(PermReq)* **Historical Research and Methods Seminar: Irrational Hatred: European Antisemitism; (3 credits)** Grade Method: REG. Prerequisite: Permission of the department required.

0101	Robert Hutchinson Th 11:00am - 1:00pm Contact instructor or department for details.	Seats (Total: 15) TLF 2100	
0102	Robert Hutchinson Th 2:00pm - 4:00pm Contact instructor or department for details.	Seats (Total: 15) KEY 0117	

HIST212 **Women in Western Europe, 1750-Present**

HIST212 Women in Western Europe, 1750-Present; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - History and Social Sciences; Diversity - Understanding Plural Societies.
Also offered as: WMST212. Credit only granted for: HIST212 or WMST212. An analysis of the economic, family, and political roles of European women from 1750 to the present. The effects of industrialization on women's work and status, the demographic parameters of women's lives, and women's participation in political events from market riots to suffrage struggles.

0101	Gay Gullickson TuTh 11:00am - 11:50am Th 2:00pm - 2:50pm	Seats (Total: 20) KEY 0102 JMZ 0103	 Discussion
0102	Gay Gullickson TuTh 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 20) KEY 0102 TLF 1103	 Discussion
0103	Gay Gullickson TuTh 11:00am - 11:50am F 1:00pm - 1:50pm	Seats (Total: 20) KEY 0102 WDS 0104	 Discussion
0104	Gay Gullickson TuTh 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 20) KEY 0102 WDS 1131	 Discussion

HIST213 **History of Sexuality in America**

HIST213 History of Sexuality in America; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - History and Social Sciences.
Credit only granted for: HIST213 or HIST219O. Formerly: HIST219O. Explores the social construction of sexualities from the first colonial settlement to the modern era in the United States. Analyzes the implications of these understandings for power relations in U.S History.

0101	Clare Lyons MW 12:00pm - 12:50pm W 11:00am - 11:50am	Seats (Total: 20) TWS 1100 ASY 3217	Discussion
0102	Clare Lyons MW 12:00pm - 12:50pm W 1:00pm - 1:50pm	Seats (Total: 20) TWS 1100 ASY 3217	Discussion
0103	Clare Lyons MW 12:00pm - 12:50pm F 10:00am - 10:50am	Seats (Total: 20) TWS 1100 CHE 2118	Discussion
0104	Clare Lyons MW 12:00pm - 12:50pm F 12:00pm - 12:50pm	Seats (Total: 20) TWS 1100 KEY 0103	Discussion
FC01	Clare Lyons W 6:00pm - 7:15pm Class time/details on ELMs *Restricted to students in Freshman Connection.*	Seats (Total: 24) KEY 1117 ONLINE	

HIST219T **Jewish Texts and Cultures of the Second Temple Period**

HIST219T Jewish Texts and Cultures of the Second Temple Period; (3 credits) Grade Method: REG/P-F/AUD. CORE Interdisciplinary & Emerging Issues (IE) Course. CORE Diversity (D) Course.
Also offered as JWST231. An introduction to the literature, history, and culture of Jews in the period between the sixth century BCE and the second century CE. Special topics may include the rise of the formation of the biblical canon, scriptural interpretation, sectarian and revolutionary movements, and growth of the diaspora.

0101	Hayim Lapin TuTh 9:30am - 10:45am	Seats (Total: 40) EDU 0212	

HIST220 **The Atlantic World in the Early Modern Period**

HIST220 The Atlantic World in the Early Modern Period; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - History and Social Sciences; Diversity - Understanding Plural Societies.
Credit only granted for: HIST219V or HIST220. Formerly: HIST219V. Study of encounters, exchanges, and clashes between Native Americans, Europeans, and Africans in the early modern Atlantic World. Examines conquest and colonial systems; movement of men and women and mixing of peoples, and the persistence of native folkways.

0101	Alejandro Caneque TuTh 12:30pm - 1:20pm Tu 9:30am - 10:20am	Seats (Total: 20) SQH 1119 LEF 1220	 Discussion
0102	Alejandro Caneque TuTh 12:30pm - 1:20pm Tu 11:00am - 11:50am	Seats (Total: 20) SQH 1119 JMZ 2117	 Discussion
0103	Alejandro Caneque TuTh 12:30pm - 1:20pm Th 11:00am - 11:50am	Seats (Total: 20) SQH 1119 KEY 0117	 Discussion

HIST221 **Asian American History**

HIST221 Asian American History; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. CORE Diversity (D) Course.
Also offered as: AAST201. Credit only granted for: AAST201, HIST219G, HIST219M, or HIST221. Formerly: HIST219M and HIST219G. Introduction to the history of Asian Americans in the United States and the Americas and to the field of Asian American Studies, from an interdisciplinary perspective. Topics include theories of race and ethnicity; Asian migration and diaspora to the Americas; Asian American work and labor issues; gender, family, and communities; nationalism and nativism, and anti-Asian movements; Asian Americans in World War II, the Cold War, and the issues in the civil rights & post-civil rights era.

0101	Lisa Mar MW 9:00am - 9:50am M 11:00am - 11:50am	Seats (Total: 20) PLS 1140 WDS 1131	Discussion
0102	Lisa Mar MW 9:00am - 9:50am M 1:00pm - 1:50pm	Seats (Total: 20) PLS 1140 KEY 0117	Discussion
0103	Lisa Mar MW 9:00am - 9:50am W 11:00am - 11:50am	Seats (Total: 20) PLS 1140 WDS 1131	Discussion
0104	Lisa Mar MW 9:00am - 9:50am W 1:00pm - 1:50pm	Seats (Total: 20) PLS 1140 WDS 0104	Discussion

HIST224 **Modern Military History, 1494-1815**

HIST224 Modern Military History, 1494-1815; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. GenEd: Distributive Studies - History and Social Sciences.
Survey of the military history of Europe through an examination of the economic, financial, strategic, tactical, and technological aspects of the development of military institutions and warfare from the dynastic wars of the Valois and Habsburgs to the national wars of the French Revolution and Empire.

0101	Jon Sumida TuTh 9:30am - 10:20am F 2:00pm - 2:50pm	Seats (Total: 20) SHM 2102 KEY 0124	Discussion
0102	Jon Sumida TuTh 9:30am - 10:20am W 1:00pm - 1:50pm	Seats (Total: 20) SHM 2102 JMZ 1124	Discussion
0103	Jon Sumida TuTh 9:30am - 10:20am M 1:00pm - 1:50pm	Seats (Total: 20) SHM 2102 JMZ 1120	Discussion
0104	Jon Sumida TuTh 9:30am - 10:20am Tu 11:00am - 11:50am	Seats (Total: 20) SHM 2102 ARM 0119	Discussion

0105	Jon Sumida TuTh 9:30am - 10:20am Tu 12:30pm - 1:20pm	Seats (Total: 20) SHM 2102 JMZ 1120	Discussion
0106	Jon Sumida TuTh 9:30am - 10:20am M 11:00am - 11:50am	Seats (Total: 20) SHM 2102 TYD 1118	Discussion
0107	Jon Sumida TuTh 9:30am - 10:20am W 11:00am - 11:50am	Seats (Total: 20) SHM 2102 HBK 1112	Discussion
0108	Jon Sumida TuTh 9:30am - 10:20am F 11:00am - 11:50am	Seats (Total: 20) SHM 2102 CHE 2145	Discussion

HIST232 **The Historical Development of London**
Contact department for information to register for this course.

HIST233 **Empire! The British Imperial Experience 1558-1997**

HIST233 Empire! The British Imperial Experience 1558-1997; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - History and Social Sciences; Diversity - Understanding Plural Societies.
Credit only granted for: HIST219P or HIST233. Formerly: HIST219P. Britain's empire from the mid-sixteenth century to the late twentieth century, focusing on the encounter between Britain and indigenous peoples. Topics include the origins of British imperialism in Ireland and North America, the slave trade, the East India Company and India, women in Empire, transportation and the making of Australia, sex in empire, missionaries, racial theories and decolonizaiton.

FC01	Anne Rush MW 3:00pm - 4:15pm *Restricted to students in Freshman Connection.*	Seats (Total: 20) KEY 0121	

HIST250 **Colonial Latin America**

HIST250 Colonial Latin America; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - History and Social Sciences; Diversity - Understanding Plural Societies.
Introductory survey of the history of Latin America from pre-Columbian Indian cultures to the beginning of the wars for independence (ca. 1810), covering cultural, political, social, and economic developments. Major themes include conquest, colonialism, indigenous culture, African slavery, religion, race and ethnicity, and gender ideologies.

0101	David Sartorius MW 10:00am - 10:50am W 12:00pm - 12:50pm	Seats (Total: 20) KEY 0102 ASY 3219	 Discussion
0102	David Sartorius MW 10:00am - 10:50am W 9:00am - 9:50am	Seats (Total: 20) KEY 0102 KEY 0103	 Discussion
0103	David Sartorius MW 10:00am - 10:50am M 2:00pm - 2:50pm	Seats (Total: 20) KEY 0102 ASY 3215	 Discussion
0104	David Sartorius MW 10:00am - 10:50am M 12:00pm - 12:50pm	Seats (Total: 20) KEY 0102 ASY 3215	 Discussion

HIST255 **African-American History, 1865 - Present**

HIST255 African-American History, 1865 - Present; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - History and Social Sciences.
An introductory course in the African-American experience in the United States from 1865 to present. Topics include the aftermath of the Civil War on US race relations, the rise of segregation, northern migration, World War I and II, Civil Rights Movements, and the Black Power Movement.

0101	Alfred Moss TuTh 12:30pm - 1:45pm	Seats (Total: 40) SQH 1117	

HIST266 **The United States in World Affairs**

HIST266 The United States in World Affairs; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course.
A study of the United States as an emerging world power and the American response to changing status in world affairs. Emphasis on the relationship between internal and external development of the nation.

HSWJ	Philip Muehlenbeck TuTh 7:35am - 8:50am	Seats (Total: 35) Location: TBA	
	Restricted to Young Scholars students. Enrollment by Office of Extended Studies permission only.		

HIST269D **Special Topics in Study Abroad II; Barcelona: The City and Its History**
Contact department for information to register for this course.

HIST269E **Special Topics in Study Abroad II; Life and Leisure in Ancient Rome**
Contact department for information to register for this course.

HIST269M **Special Topics in Study Abroad II; Modern Italy**
Contact department for information to register for this course.

HIST269O **Special Topics in Study Abroad II; Mediterranean Politics and Culture**
Contact department for information to register for this course.

HIST282 **History of the Jewish People I**

HIST282 History of the Jewish People I; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - History and Social Sciences; Diversity - Understanding Plural Societies.
Also offered as: JWST234. Credit only granted for: HIST282 or JWST234. Political, economic, social and cultural development within Jewish history from the Biblical period to the late Middle Ages. Special attention to the emergence of Rabbinic Judaism and its subsequent encounter with medieval Christian and Islamic civilizations.

0103	Hayim Lapin TuTh 12:30pm - 1:20pm Th 11:00am - 11:50am	Seats (Total: 20) KEY 0102 ARC 1121	 Discussion

0104	Hayim Lapin TuTh 12:30pm - 1:20pm Tu 11:00am - 11:50am	Seats (Total: 20) KEY 0102 COL 0113	Discussion
0105	Hayim Lapin TuTh 12:30pm - 1:20pm Tu 2:00pm - 2:50pm	Seats (Total: 20) KEY 0102 JMZ 1224	Discussion
0106	Hayim Lapin TuTh 12:30pm - 1:20pm W 12:00pm - 12:50pm	Seats (Total: 20) KEY 0102 ARM 0103	Discussion

HIST284 **East Asian Civilization I**

HIST284 East Asian Civilization I; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - History and Social Sciences; Diversity - Understanding Plural Societies.
An interdisciplinary survey of the development of East Asian cultures. An historical approach drawing on all facets of East Asian traditional life, to gain an appreciation of the different and complex cultures of the area.

0101	Charles Lilley TuTh 12:30pm - 1:20pm Tu 11:00am - 11:50am	Seats (Total: 20) KEY 0106 KEY 0120	Discussion
0102	Charles Lilley TuTh 12:30pm - 1:20pm Th 9:30am - 10:20am	Seats (Total: 20) KEY 0106 EDU 0114	Discussion
0103	Charles Lilley TuTh 12:30pm - 1:20pm F 9:00am - 9:50am	Seats (Total: 20) KEY 0106 EDU 0114	Discussion
0104	Charles Lilley TuTh 12:30pm - 1:20pm F 11:00am - 11:50am	Seats (Total: 20) KEY 0106 COL 0101	Discussion

HIST289C **Mirror of Democracy: The Golden Age of Athens**

HIST289C Mirror of Democracy: The Golden Age of Athens; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. GenEd: Distributive Studies - History and Social Sciences; Signature Courses - I-Series.

0101	Kenneth Holum MW 10:00am - 10:50am M 9:00am - 9:50am	Seats (Total: 20) KEY 1117 KEY 0123	 Discussion
0102	Kenneth Holum MW 10:00am - 10:50am M 11:00am - 11:50am	Seats (Total: 20) KEY 1117 TYD 0101	 Discussion
0103	Kenneth Holum MW 10:00am - 10:50am W 1:00pm - 1:50pm	Seats (Total: 20) KEY 1117 TYD 2102	 Discussion

HIST299 **Directed Research**

HIST299 Directed Research; (1-3 credits) Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HIST310 **History of South Africa**

HIST310 History of South Africa; (3 credits) Grade Method: REG/P-F/AUD. *Formerly: HIST419E.* Explores the roots of Apartheid and nonracialism from precolonial times to the present: the social history of work and identity, the rise of kingdoms (Zulu, Sotho), conquest and colonial administration, urban and rural mass politics, gender relations, and the transition to democracy.

0101	Paul Landau MW 2:00pm - 3:15pm	Seats (Total: 40) KEY 0116

HIST319C **Special Topics in History; Africans in the 18th Century Britain**
Contact department for information to register for this course.

HIST319R **Special Topics in History; Democracy and Dictatorship in Europe 1918-1945**
Contact department for information to register for this course.

HIST326 **The Roman Republic**
Contact department for information to register for this course.

HIST329E **Special Topics in History; Black Women in United States History**

HIST329E Special Topics in History: Black Women in United States History; (3 credits) Grade Method: REG/P-F/AUD.
Sophomore standing. Also offered as AASP313 and WMST314. Credit will be granted for only one of the following: AASP313, AASP498W, HIST329E, WMST314 or WMST498N. Formerly WMST498N.

0101	Elsa Barkley Brown W 5:30pm - 8:00pm	Seats (Total: 35) KEY 0116

HIST329F **Special Topics in History; The Roman World in Late Antiquity**

HIST329F Special Topics in History: The Roman World in Late Antiquity; (3 credits) Grade Method: REG/P-F/AUD.

0101	Kenneth Holum MW 2:00pm - 3:15pm	Seats (Total: 40) KEY 0103

HIST329M **Special Topics in History; Literature of the Early Black Atlantic**

HIST329M Special Topics in History: Literature of the Early Black Atlantic; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as ENGL368F. Prerequisite: two lower-level English courses, at least one in literature; or permission of department. Credit will be granted for only one of the following: ENGL368F or HIST329M.

0101	Vincent Carretta MW 2:00pm - 3:15pm	Seats (Total: 30) TWS 1106

HIST329W **Special Topics in History; African Americans and the Movies, 1890s-1990s**

HIST329W Special Topics in History: African Americans and the Movies, 1890s-1990s; (3 credits) Grade Method: REG/P-F/AUD.

0101	Elsa Barkley Brown W 2:00pm - 4:30pm	Seats (Total: 30) TYD 0111

HIST330 **Europe in the Making: The Early Medieval West (A.D. 300-1000)**

HIST330 Europe in the Making: The Early Medieval West (A.D. 300-1000); (3 credits) Grade Method: REG/P-F/AUD.
Also offered as: RELS340. Credit only granted for: HIST330 or RELS340. From one empire to another: Rome to Charlemagne. This period is approached as a crucible in which classical, Christian, and Germanic elements merged, yielding new experimental syntheses. This course will deal with issues of authority, cultural trends, and the formation of group solidarity.

0101	Janna Bianchini	Seats (Total: 40)
	MW 1:00pm - 2:15pm	MMH 0108

HIST332 **Renaissance Europe**

HIST332 Renaissance Europe; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: HIST112 or HIST111; or permission of instructor. Also offered as: RELS342. Credit only granted for: HIST332 or RELS342. Intellectual developments in Italy and Northern Europe from 1300 to 1550 and their influence on the arts and religion; social and economic trends, including the rise of the commercial economy in cities; the family and the role of women in society; expansion of Europe overseas and the beginnings of colonization; emergence of the state and consequent changes in political theory.

0101	Stefano Villani	Seats (Total: 40)
	TuTh 11:00am - 12:15pm	KEY 1117

HIST352 **America in the Colonial Era, 1600-1763**

HIST352 America in the Colonial Era, 1600-1763; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: HIST200, HIST210, HIST213, or HIST254; or must have completed HIST156; or permission of instructor. The founding of the English colonies in America and their European backgrounds, the reasons for the instability of colonial society to 1689 and the emergence of stable societies after 1689; the development of colonial regionalism, political institutions, social divisions, the economy, religion, education, urban and frontier problems in the eighteenth century.

0101	Miles Bradbury MW 2:00pm - 3:15pm	Seats (Total: 40) KEY 0126

HIST353 **America in the Revolutionary Era, 1763-1815**

HIST353 America in the Revolutionary Era, 1763-1815; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: HIST200, HIST210, HIST213, HIST254, or HIST275; or must have completed HIST156; or permission of instructor. The background and course of the American Revolution and early nationhood through the War of 1812. Emphasis on how the Revolution shaped American political and social development, the creation of a new government under the Constitution, and the challenges facing the new nation.

0101	Whitman Ridgway TuTh 9:30am - 10:45am	Seats (Total: 40) KEY 0103

HIST354 **Ante-Bellum America 1815-1861**

HIST354 Ante-Bellum America 1815-1861; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: HIST200, HIST210, HIST213, HIST222, HIST254, or HIST275; or must have completed HIST156; or permission of instructor. Traces how the strong nationalism after the War of 1812 transformed into the sectionalism that led to Civil War. The course concentrates on the controversies over slavery and other issues contributing to North- South antagonism, including Jacksonian democracy, capitalism, racism, immigration, manifest destiny and religious, social, and intellectual movements, each of which produced its own social tendencies and tensions.

0101	Donald McNeilly TuTh 12:30pm - 1:45pm	Seats (Total: 40) KEY 0126

HIST355 **Civil War and the Rise of Industrialization, 1860-1900**

HIST355 Civil War and the Rise of Industrialization, 1860-1900; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: HIST200, HIST201, HIST210, HIST213, HIST222, HIST254, HIST255, or HIST275; or must have completed HIST156 or HIST157; or permission of instructor. Credit only granted for: HIST355 or HIST364. Civil War, sectional and class conflicts and their impact on American life and institutions from the beginning of the Civil War through the Gilded Age; social, economic, and political reconstruction of the Union; industrialization, urbanization, and technological changes.

0101	Emily Landau	Seats (Total: 40)
	TuTh 11:00am - 12:15pm	KEY 0126

HIST356 **Emergence of Modern America, 1900-1945**

HIST356 Emergence of Modern America, 1900-1945; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: HIST201, HIST211, HIST213, HIST222, HIST255, or HIST275; or must have completed HIST157; or permission of instructor. The emergence of modern institutions and identities, 1900-1945. These institutions may include corporate enterprises and the welfare state; identities include homosexuality, the New Woman and the New Negro.

0101	Katarina Keane	Seats (Total: 40)
	MW 12:00pm - 1:15pm	KEY 0103

HIST357 **Recent America: 1945-Present**

HIST357 Recent America: 1945-Present; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: HIST201, HIST211, HIST213, HIST222, HIST255, or HIST275; or must have completed HIST157; or permission of instructor. American history from the inauguration of Harry S. Truman to the present with emphasis upon politics and foreign relations, but with consideration of special topics such as radicalism, conservatism, and labor.

0101	Edwin Smead	Seats (Total: 95)
	MW 2:00pm - 3:15pm	KEY 0102

HIST369D **Special Topics in Study Abroad III; Barcelona: The City and Its History**
Contact department for information to register for this course.

HIST369F **Special Topics in Study Abroad III; Caesar, Cicero and the Collapse of the Roman Republic**
Contact department for information to register for this course.

HIST375 **Modern Jewish History II: World Jewry Since 1870**

HIST375 Modern Jewish History II: World Jewry Since 1870; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as: JWST344. Credit only granted for: HIST375 or JWST344.
Continuation of HIST374.

0101	Marsha Rozenblit	Seats (Total: 40)
	MW 11:00am - 12:15pm	KEY 0116

HIST376 **History of Zionism and the State of Israel**

HIST376 History of Zionism and the State of Israel; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as: ISRL342. Credit only granted for: HIST376, ISRL342, or JWST342.
Ideological and political factors leading to the establishment of a secular Jewish state in 1948; Zionist thought of Herzl, Ahad Ha-am, the socialist and religious Zionists, and the revisionists; diplomatic activities; Arab-Israel conflict; post-1948 Israeli society.

0101	Yoram Peri	Seats (Total: 60)
	MW 3:30pm - 4:45pm	KEY 1117

HIST386 **Experiential Learning**

HIST386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F.
Individual Instruction course: contact department or instructor to obtain section number.
Restriction: Permission of ARHU-History department; and Junior standing or higher.
The History Department's Internship program. Pre-professional experience in historical research, analysis and writing in a variety of work settings.

Contact department for information to register for this course.

HIST395 **Honors Colloquium I**

HIST395 *(PermReq)* **Honors Colloquium I; (3 credits)** Grade Method: REG/P-F/AUD.
Restriction: Permission of ARHU-History department; and must be in History program.
History and theory: the conceptual underpinnings of the historical discipline. Students evaluate several contrasting theories of history. Prerequisite for other honors courses.

0101	David Freund W 10:00am - 12:00pm Contact instructor or department for details.	Seats (Total: 12) TLF 2110

HIST398 **Honors Thesis I**

HIST398 *(PermReq)* **Honors Thesis I; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: permission of department.

0101	David Freund M 1:00pm - 3:00pm Contact instructor or department for details.	Seats (Total: 12) TLF 2108

HIST404 **History of Modern Biology**

HIST404 History of Modern Biology; (3 credits) Grade Method: REG/P-F/AUD.
The internal development of biology in the 19th and 20th-centuries, including evolution, cell theory, heredity and development, spontaneous generation, and mechanism-vitalism controversies. The philosophical aspects of the development of scientific knowledge and the interaction of biology with chemistry and physics.

0101	Brian Casey TuTh 12:30pm - 1:45pm	Seats (Total: 40) KEY 1117

HIST405 **Environmental History**

HIST405 Environmental History; (3 credits) Grade Method: REG/P-F/AUD.
An introduction to the key issues and methods of environmental history. The scope of the subject is discussed, as well as its relationship with other disciplines, such as ecology, anthropology, and geography. A primary focus is environmental change in history with emphasis on the American experience.

0101	Robert Friedel MW 11:00am - 12:15pm	Seats (Total: 40) KEY 1117

HIST408D **Senior Seminar; Empire and Borderlands in Russia**

HIST408D *(PermReq)* **Senior Seminar: Empire and Borderlands in Russia; (3 credits)** Grade Method: REG. CORE Capstone (CS) Course. GenEd: Distributive Studies - Scholarship in Practice.
Prerequisite: permission of department.

0101	Mikhail Dolbilov	Seats (Total: 12)
	Th 10:00am - 12:00pm	TLF 2108
	Contact instructor or department for details.	

HIST408F **Senior Seminar; 20th Century African American History**

HIST408F *(PermReq)* **Senior Seminar: 20th Century African American History; (3 credits)** Grade Method: REG. CORE Capstone (CS) Course. GenEd: Distributive Studies - Scholarship in Practice.
Prerequisite: permission of department.

0101	Alfred Moss	Seats (Total: 12)
	Tu 2:00pm - 4:00pm	KEY 0107
	Contact instructor or department for details.	

HIST408G **Senior Seminar; English Civil War 1625-1660**

HIST408G *(PermReq)* **Senior Seminar: English Civil War 1625-1660; (3 credits)** Grade Method: REG. CORE Capstone (CS) Course. GenEd: Distributive Studies - Scholarship in Practice.
Prerequisite: permission of department.

0101	Sabrina Baron	Seats (Total: 12)
	Th 2:00pm - 4:00pm	KEY 0107
	Contact instructor or department for details.	

HIST408I **Senior Seminar; Seafaring Sexualities**

HIST408I *(PermReq)* **Senior Seminar: Seafaring Sexualities; (3 credits)** Grade Method: REG. CORE Capstone (CS) Course. GenEd: Distributive Studies - Scholarship in Practice.
Prerequisite: permission of department.

0101	Clare Lyons M 2:00pm - 4:00pm Contact instructor or department for details.	Seats (Total: 12) TLF 2103

HIST408N **Senior Seminar; Gender and Sexuality in American History**

HIST408N *(PermReq)* **Senior Seminar: Gender and Sexuality in American History; (3 credits)** Grade Method: REG. CORE Capstone (CS) Course. GenEd: Distributive Studies - Scholarship in Practice.
Prerequisite: permission of department.

0101	Sonya Michel Tu 2:00pm - 4:00pm Contact instructor or department for details.	Seats (Total: 12) TLF 2100

HIST408P **Senior Seminar; History of Inquisition**

HIST408P *(PermReq)* **Senior Seminar: History of Inquisition; (3 credits)** Grade Method: REG. CORE Capstone (CS) Course. GenEd: Distributive Studies - Scholarship in Practice.
Prerequisite: permission of department.

0101	Stefano Villani Th 2:00pm - 4:00pm Contact instructor or department for details.	Seats (Total: 12) TLF 2100

HIST408R **Senior Seminar; Ideas and Politics in Twentieth Century Europe**

HIST408R *(PermReq)* **Senior Seminar: Ideas and Politics in Twentieth Century Europe; (3 credits)** Grade Method: REG. CORE Capstone (CS) Course. GenEd: Distributive Studies - Scholarship in Practice.
Prerequisite: permission of department.

0101	Jeffrey Herf Tu 3:30pm - 5:30pm Contact instructor or department for details.	Seats (Total: 8) TLF 2110

HIST408Y **Senior Seminar; Literature and Jewish Life in Eastern Europe**

HIST408Y *(PermReq)* **Senior Seminar: Literature and Jewish Life in Eastern Europe; (3 credits)** Grade Method: REG. CORE Capstone (CS) Course. GenEd: Distributive Studies - Scholarship in Practice.
Prerequisite: permission of department. We will discuss works by Karl Emil Franzos, Joseph Roth, Aflred Doblin, and others, and examine their contribution to the myths concerning Jewish life in Eastern Europe.

0101	Rachel Manekin Th 3:30pm - 6:00pm	Seats (Total: 7) WDS 1130

HIST419G **Special Topics in History; Iraq: From the Origins of the Modern State to Current Crisis**

HIST419G Special Topics in History: Iraq: From the Origins of the Modern State to Current Crisis; (3 credits) Grade Method: REG/P-F/AUD.

0101	Peter Wien TuTh 9:30am - 10:45am	Seats (Total: 40) KEY 0126

HIST419J **Special Topics in History; Strategic Military Theory: Clausewitz**

HIST419J Special Topics in History: Strategic Military Theory: Clausewitz; (3 credits) Grade Method: REG/P-F/AUD.

0101	Jon Sumida TuTh 11:00am - 12:15pm	Seats (Total: 25) TLF 1103

HIST419P **Special Topics in History; Origins of Ethnic Cleansing in Russia/USSR**

HIST419P Special Topics in History: Origins of Ethnic Cleansing in Russia/USSR; (3 credits) Grade Method: REG/P-F/AUD.

0101	Mikhail Dolbilov TuTh 2:00pm - 3:15pm	Seats (Total: 40) KEY 1117

HIST419Q **Special Topics in History; Jews of Eastern Europe, 1580-1939**

HIST419Q Special Topics in History: Jews of Eastern Europe, 1580-1939; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as JWST419E. Credit will be granted for only one of the following: HIST419Q or JWST419E.

0101	Rachel Manekin	Seats (Total: 35)
	TuTh 9:30am - 10:45am	HBK 0115

HIST428I **Selected Topics in History; Poverty and Social Policy in the U.S.**

HIST428I Selected Topics in History: Poverty and Social Policy in the U.S.; (3 credits) Grade Method: REG/P-F/AUD.

0101	Sonya Michel	Seats (Total: 30)
	TuTh 9:30am - 10:45am	TLF 1103

HIST428K **Selected Topics in History; Confucius in East Asia and Asian America**

HIST428K Selected Topics in History: Confucius in East Asia and Asian America; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as AAST498B and RELS419M.

0101	Lisa Mar	Seats (Total: 40)
	MW 2:00pm - 3:15pm	BPS 0283

HIST428Z **Selected Topics in History; History of Europe Since 1939**

HIST428Z Selected Topics in History: History of Europe Since 1939; (3 credits) Grade Method: REG/P-F/AUD.

0101	Jeffrey Herf	Seats (Total: 40)
	TuTh 9:30am - 10:45am	KEY 0125

HIST429A **Special Topics in History; Society and Culture in Victorian Britain**

HIST429A Special Topics in History: Society and Culture in Victorian Britain; (3 credits) Grade Method: REG/P-F/AUD.

0101	Julie Taddeo MW 1:00pm - 2:15pm	Seats (Total: 30) TLF 1101

HIST429C **Special Topics in History; Sufism: Mystics in Islamic History**

HIST429C Special Topics in History: Sufism: Mystics in Islamic History; (3 credits) Grade Method: REG/P-F/AUD.

0101	Ahmet Karamustafa W 2:00pm - 4:00pm Contact instructor or department for details.	Seats (Total: 15) TLF 2110

HIST429L **Special Topics in History; History of Iran in the Islamic Period (7th Century to the Present)**

HIST429L Special Topics in History: History of Iran in the Islamic Period (7th Century to the Present); (3 credits) Grade Method: REG/P-F/AUD.

0101	Ahmet Karamustafa MW 11:00am - 12:15pm	Seats (Total: 40) TYD 0102

HIST429M **Special Topics in History; History and Memory in Medieval Islam**

HIST429M Special Topics in History: History and Memory in Medieval Islam; (3 credits) Grade Method: REG/P-F/AUD.

0101	Antoine Borrut M 11:00am - 1:30pm	Seats (Total: 18) TLF 2103

HIST429P **Special Topics in History; Asian Americans Experience During World War II: Integration and Transnationalism**

HIST429P Special Topics in History: Asian Americans Experience During World War II: Integration and Transnationalism; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as AAST498Z. The transnational experience of Asian Americans during one of the defining moments in modern world history: the Asia-Pacific War of 1931-45 will be examined. Japanese colonial aggression clashed with longstanding U.S. military involvement in the Asia-Pacific region, creating optimal if unequal conditions for women and men of various races, ethnicities, classes, nationalities, and sexual orientations to interact with each other in unprecedented ways. Asian and Pacific Islander Americans crisscrossed the Pacific as U.S. military intelligence officers, soldiers, crewmembers, translators, and pilots; on the domestic front, they worked in wartime industries that had previously excluded them from employment. Changes in U.S. immigration laws further altered the economic and political landscape of various Asian and Asian American ethnic groups while the U.S. government removed, excluded, and detained over 110,000 Japanese nationals, Japanese Americans, and Latin Americans of Japanese descent.

0101	Shuji Otsuka MW 3:30pm - 4:45pm	Seats (Total: 30) KEY 0120

HIST429T **Special Topics in History; Immigration and Ethnicity in Modern Latin America**

HIST429T Special Topics in History: Immigration and Ethnicity in Modern Latin America; (3 credits) Grade Method: REG/P-F/AUD.

0101	Beatrice Gurwitz TuTh 11:00am - 12:15pm	Seats (Total: 40) TYD 2111

HIST430 **Tudor England**

HIST430 Tudor England; (3 credits) Grade Method: REG/P-F/AUD.
An examination of the political, religious and social forces in English life, 1485-1603, with special emphasis on Tudor government, the English reformation and the Elizabethan era.

0101	Sabrina Baron TuTh 11:00am - 12:15pm	Seats (Total: 40) KEY 0116

HIST436 **Napoleon, the French Revolution, and the World**

HIST436 Napoleon, the French Revolution and the World; (3 credits) Grade Method: REG/P-F/AUD.
An argument for the broad continuity between the revolutionary and Napoleonic wars.

0101	Donald Sutherland MW 9:00am - 10:15am	Seats (Total: 40) KEY 0116

HIST447 **Riot, Law, and Justice in European History**

HIST447 Riot, Law and Justice in European History; (3 credits) Grade Method: REG/P-F/AUD.
Credit only granted for: HIST428C or HIST447. Formerly: HIST428C. An examination of the role of violence and the attempt of law to contain or punish it. Major interpretations of societal codes of honor, retribution, punishment, and how violence is governed by these codes.

0101	Donald Sutherland W 1:00pm - 3:30pm	Seats (Total: 15) TLF 2103

HIST454 **Constitutional History of the United States: From Colonial Origins to 1860**

HIST454 Constitutional History of the United States: From Colonial Origins to 1860; (3 credits) Grade Method: REG/P-F/AUD.
The interaction of government, law, and politics in the constitutional system. The nature and purpose of constitutions and constitutionalism; the relationship between the constitution and social forces and influences, the way in which constitutional principles, rules, ideas, and institutions affect events and are in turn affected by events. The origins of American politics and constitutionalism through the constitutional convention of 1787. Major constitutional problems such as the origins of judicial review, democratization of government, slavery in the territories and political system as a whole.

0101	Michael Ross MW 2:00pm - 3:15pm	Seats (Total: 40) TYD 2111

HIST462 **The United States Civil War**

HIST462 The United States Civil War; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: HIST200, HIST213, HIST222, HIST254, or HIST275; or must have completed HIST156; or permission of instructor.* Causes of the Civil War; sectional politics and secession; resources and strategy of the Confederacy and the Union; changing character of the war; emancipation and its consequences: economic, social and political conditions on the home front; and the wartime origins of Reconstruction. Not a military history course; little attention to the tactics of particular battles.

0101	Leslie Rowland	Seats (Total: 40)
	MW 12:30pm - 1:45pm	TYD 0101

HIST463 **History of the Old South**
Contact department for information to register for this course.

HIST467 **Women and Reform Movements in the Twentieth-Century United States**

HIST467 Women and Reform Movements in the Twentieth-Century United States; (3 credits) Grade Method: REG/P-F/AUD.
Recommended: HIST201, HIST211, or HIST255. Credit only granted for: HIST466, HIST419W, or HIST429E. Formerly: HIST419W and HIST429E. Investigation of women's participation in such twentieth-century reform movements as the labor movement, the struggle for racial justice, social welfare reform, and women's movements. Will ask how race, class, and gender were implicated in the ways that women agitated for social political change.

0101	Robyn Muncy	Seats (Total: 40)
	TuTh 9:30am - 10:45am	KEY 0116

HIST469A **Study Abroad Special Topics IV; Ancient Chinese History**
Contact department for information to register for this course.

HIST469T **Study Abroad Special Topics IV; Black Radicalism in the Twentieth Century**
Contact department for information to register for this course.

HIST476 **Jews in Medieval Times 1000-1450**

HIST476 Jews in Medieval Times 1000-1450; (3 credits) Grade Method: REG/P-F/AUD.
Recommended: HIST282 or JWST234; and (HIST330 or HIST331). Also offered as: JWST432. Credit only granted for: HIST419R, HIST476, JWST429M, or JWST432. Formerly: HIST419R. Social and cultural life of Jewish communities spread throughout Islam and Christendom. Major topics include the Gaonate, kehila organizations, legal, rationalist and mystical thought, and the context of rising animosity against Jews linked to the Crusades and changing Church doctrines.

0101	Bernard Cooperman	Seats (Total: 40)
	TuTh 2:00pm - 3:15pm	KEY 0116

HIST481 **A History of Modern China**

HIST481 A History of Modern China; (3 credits) Grade Method: REG/P-F/AUD.
Modern China from 1644 to the People's Republic of China. Emphasis on the coming of the West to China and the various stages of the Chinese reaction.

0101	Haiyun Ma	Seats (Total: 40)
	MW 12:00pm - 1:15pm	TYD 2111

HIST482 **History of Japan to 1800**

HIST482 History of Japan to 1800; (3 credits) Grade Method: REG/P-F/AUD.
Traditional Japanese civilization from the age of Shinto mythology and introduction of continental learning down to the rule of military families, the transition to a money economy, and the creation of a townsmen's culture. A survey of political, economic, religious, and cultural history.

0101	Charles Lilley	Seats (Total: 40)
	TuTh 2:00pm - 3:15pm	KEY 0126

HIST491 **History of the Ottoman Empire**

HIST491 History of the Ottoman Empire; (3 credits) Grade Method: REG/P-F/AUD.
CORE Diversity (D) Course.
Survey of the Ottoman Turkish Empire from 1300 A.D. to its collapse during World War I. Emphasis on the empire's social and political institutions and its expansion into Europe, the Arab East and North Africa.

0101	Madeline Zilfi TuTh 11:00am - 12:15pm	Seats (Total: 30) TLF 1101

HIST492 **Women and Society in the Middle East**

HIST492 Women and Society in the Middle East; (3 credits) Grade Method: REG/P-F/AUD.
Recommended: Must have completed prior coursework in Middle East studies or gender studies. Also offered as: WMST456. Credit only granted for: HIST492 or WMST456. Examines the customs, values and institutions that have shaped women's experience in the Middle East in the past and in the contemporary Middle East.

0101	Madeline Zilfi Tu 2:00pm - 4:00pm Contact instructor or department for details.	Seats (Total: 15) TLF 2103

HIST493 **Victorian Women in England, France, and the United States**

HIST493 Victorian Women in England, France, and the United States; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Also offered as: WMST453. Credit only granted for: HIST493 or WMST453. Examines the lives of middle and upper-class women in England, France, and the United States during the Victorian era. Topics include gender roles, work, domesticity, marriage, sexuality, double standards, and women's rights.

0101	Gay Gullickson TuTh 3:30pm - 4:45pm	Seats (Total: 20) KEY 2120

HIST499 **Independent Study**

HIST499 *(PermReq)* **Independent Study; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department.

Contact department for information to register for this course.

HIST601 **History and Contemporary Theory**

HIST601 History and Contemporary Theory; (3 credits) Grade Method: REG/AUD. An introduction to contemporary theories in philosophy, literary criticism, cultural studies, anthropology, and other fields; and analysis of their usefulness to historians.

0101	Saverio Giovacchini W 1:00pm - 3:30pm	Seats (Total: 12) TLF 2108

HIST607 **The Teaching of History in Institutions of Higher Learning**

HIST607 *(PermReq)* **The Teaching of History in Institutions of Higher Learning; (1 credit)** Grade Method: S-F.

0101	Marsha Rozenblit Contact instructor or department for details.	Seats (Total: 15)
0201	Gay Gullickson Contact instructor or department for details.	Seats (Total: 6)

HIST608A **General Seminar; American History**

HIST608A *(PermReq)* **General Seminar: American History; (3 credits)** Grade Method: REG/AUD.
Prerequisite: permission of department.

0101	Richard Bell Tu 1:00pm - 3:30pm	Seats (Total: 12) TLF 2108

HIST608C **General Seminar; Readings in European History**

HIST608C *(PermReq)* **General Seminar: Readings in European History; (3 credits)** Grade Method: REG/AUD.

0101	John Lampe Tu 11:00am - 1:30pm	Seats (Total: 12) TLF 2101

HIST608N **General Seminar; Global Interaction and Exchange**

HIST608N General Seminar: Global Interaction and Exchange; (3 credits) Grade Method: REG/AUD.

0101	Hilary Jones	Seats (Total: 15)
	W 6:00pm - 8:30pm	TLF 2103

HIST608T **General Seminar; Jewish Studies**

HIST608T General Seminar: Jewish Studies; (3 credits) Grade Method: REG/AUD. Also offered as JWST600.

0114	Bernard Cooperman	Seats (Total: 10)
	Contact instructor or department for details.	

HIST619A **Special Topics in History; Independent Study**

HIST619A *(PermReq)* **Special Topics in History: Independent Study; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department.

Contact department for information to register for this course.

HIST619B **Special Topics in History; Independent Study**

HIST619B *(PermReq)* **Special Topics in History: Independent Study; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department.

Contact department for information to register for this course.

HIST619E **Special Topics in History; Readings in Modern Middle Eastern History: Modern Egypt**

HIST619E Special Topics in History: Readings in Modern Middle Eastern History: Modern Egypt; (1-3 credits) Grade Method: REG/AUD.

0101	Peter Wien	Seats (Total: 12)
	Tu 3:30pm - 6:00pm	TLF 2101

HIST619I **Special Topics in History; Ancient History and Historiography: Polybius and Roman Imperial Expansion**

HIST619I Special Topics in History: Ancient History and Historiography: Polybius and Roman Imperial Expansion; (1-3 credits) Grade Method: REG/AUD.

0101	Arthur Eckstein Th 3:30pm - 6:00pm	Seats (Total: 12) TLF 2108

HIST619R **Special Topics in History; Readings in 19th Century U.S.**

HIST619R Special Topics in History: Readings in 19th Century U.S.; (1-3 credits) Grade Method: REG/AUD.

0101	Michael Ross W 6:00pm - 8:30pm	Seats (Total: 12) TLF 2108

HIST639D **Special Topics in History; Readings in Atlantic History**

HIST639D Special Topics in History: Readings in Atlantic History; (3 credits) Grade Method: REG/AUD.

0101	Alejandro Caneque Th 6:00pm - 8:30pm	Seats (Total: 12) TLF 2100

HIST639M **Special Topics in History; History and Memory in Medieval Islam**

HIST639M Special Topics in History: History and Memory in Medieval Islam; (3 credits) Grade Method: REG/AUD.

0101	Antoine Borrut M 11:00am - 1:30pm	Seats (Total: 5) TLF 2103

HIST639N **Special Topics in History; Rethinking Freedom and Modernity: The Haitian Revolution**

HIST639N Special Topics in History: Rethinking Freedom and Modernity: The Haitian Revolution; (3 credits) Grade Method: REG/AUD.

0101	David Sartorius W 3:30pm - 6:00pm	Seats (Total: 15) TLF 2103

HIST708 **Directed Independent Reading for Comprehensive Examinations I**

HIST708 Directed Independent Reading for Comprehensive Examinations I; (1-4 credits) Grade Method: S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HIST709 **Directed Independent Reading for Comprehensive Examinations II**

HIST709 Directed Independent Reading for Comprehensive Examinations II; (1-4 credits) Grade Method: S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HIST799 **Master's Thesis Research**

HIST799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HIST810 **Museum Research Seminar**

HIST810 Museum Research Seminar; (3 credits) Grade Method: REG/AUD. *Prerequisite: HIST610. Also offered as: AMST856. Credit only granted for: AMST638D, AMST856, HIST810, or HIST819D. Formerly: HIST819D.* A research seminar focusing on the practice and presentation of cultural and historical scholarship in museums and historical sites. Students will complete an original research project on the challenges and opportunities of public exhibition and interpretation of cultural and historical research.

0101	Robert Friedel	Seats (Total: 15)
	W 4:00pm - 6:40pm	TLF 2100

HIST811 **Museum Scholarship Practicum**

HIST811 *(PermReq)* **Museum Scholarship Practicum; (3-6 credits)** Grade Method: REG.
Prerequisite: HIST810. Restriction: Permission of Museum Scholarship Program required. Also offered as: AMST857. Credit only granted for: AMST857 or HIST811.
Students devise and carry out a research program using the collections at the Smithsonian Institution or some other cooperating museum, working under joint supervision of a museum professional and a university faculty member.

0401	Mary Sies Contact instructor or department for details.	Seats (Total: 2)
1601	Robert Friedel Contact instructor or department for details.	Seats (Total: 1)

HIST819A **Special Topics in History: Independent Research**

HIST819A *(PermReq)* **Special Topics in History: Independent Research; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Department permission required.

Contact department for information to register for this course.

HIST819B **Special Topics in History: Independent Research**

HIST819B *(PermReq)* **Special Topics in History: Independent Research; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Department permission required.

Contact department for information to register for this course.

HIST819K **Special Topics in History: Independent Research; Twentieth Century United States History**

HIST819K Special Topics in History: Independent Research: Twentieth Century United States History; (1-3 credits) Grade Method: REG/AUD.

0101	Robyn Muncy Tu 3:30pm - 6:00pm	Seats (Total: 12) TLF 2108

HIST898 **Pre-Candidacy Research**

HIST898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HIST899 **Doctoral Dissertation Research**

HIST899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HLSA Health Services Administration Fall 2012

HLSA601 **Introduction to Health Systems**

HLSA601 Introduction to Health Systems; (3 credits) Grade Method: REG/AUD. *Restriction: Must not have completed HLTH740. Credit only granted for: HLSA601, HLTH688A, or HLTH740. Formerly: HLTH688A or HLTH740.* Management and leadership skills for effective public health planning, organization, management and administration. Emphasis is on the role of institutions in learning and behavioral change process, organizational theory, administration management, and coordinating provision of community health services.

0101	Karoline Mortensen	Seats (Total: 30)
	Tu 4:00pm - 6:45pm	SPH 0302

HLSA688 **Independent Study**

HLSA688 *(PermReq)* **Independent Study; (1-6 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HLSA689 **Field Work in Aging**

HLSA689 Field Work in Aging; (1-6 credits) Grade Method: REG.

0101	Laura Wilson	Seats (Total: 5)
	Contact instructor or department for details.	

HLSA702 **Policy and Politics of Health**

HLSA702 Policy and Politics of Health; (3 credits) Grade Method: REG/AUD. Organizational and financial components of teh U.S. health care system, including social and political forces that bind the system. Advanced political analysis of the health care system, including key issues and problems.

0101	Lori Simon-Rusinowitz	Seats (Total: 20)
	Th 1:00pm - 3:45pm	SPH 2334

HLSA710 **Healthcare Mangement: Foundations and Principles**

HLSA710 Healthcare Mangement: Foundations and Principles; (3 credits) Grade Method: REG/AUD.
Restriction: Must be in Master of Health Administration (Master's) program; or must be in Health Services Ph.D. (Doctoral) program. Concepts and managerial activities essential to achieve the goals of health care organizations are examined and discussed. Managerial processes include planning, decision-making, etc. required to operate and change health care organizations will be discussed. Special emphasis will be placed on the leader/managers role in developing and maintaining an effective system for providing healthcare.

0101	Rada Dagher	Seats (Total: 20)
	Tu 1:00pm - 3:45pm	PLS 1168

HLSA720 **Health Law and Ethics**

HLSA720 Health Law and Ethics; (3 credits) Grade Method: REG/AUD.
The legal system helps determine the relationships prevailing among individuals, institutions and governments by setting out the rights, duties and powers of the various parties. This course will look at some of the more important concepts the law uses within the context of health services and public health. Also offered as PUAF688P.

0101	Jacqueline Scott	Seats (Total: 25)
	W 4:00pm - 6:45pm	SPH 0303

HLSA760 **Healthcare Financial Management**

HLSA760 Healthcare Financial Management; (3 credits) Grade Method: REG/AUD.
For HSLA majors only. Offers content in health services financial management with emphasis on applying traditional financial theories to health care and the health care system. Focus on decision-making using accounting and finance theories, principles, concepts and techniqes most important to health care leaders.

0101	Arthur Reynolds	Seats (Total: 15)
	Tu 4:00pm - 6:45pm	JMZ 3205

HLSA765 **Oral and Written Communication in Healthcare**

HLSA765 Oral and Written Communication in Healthcare; (3 credits) Grade Method: REG/AUD.
Acquaint students with a variety of types of professional writing required of health service professionals, including: grant proposals; journal articles; textbooks; presentation proposals and papers; and theses and dissertations.

0101	Lori Simon-Rusinowitz	Seats (Total: 10)
	F 12:00pm - 2:45pm	SPH 0301

HLSA770 **Continuous Quality Improvement in Healthcare**

HLSA770 Continuous Quality Improvement in Healthcare; (3 credits) Grade Method: REG/AUD.
Designed for the health care professional or administrator involved in quality assurance in health care. Course includes historical beginnings, state-of-the-art, voluntary, governmental efforts, and tools to promote quality assurance.

0101	Robert Mekelburg	Seats (Total: 20)
	M 7:00pm - 9:45pm	SPH 0301

HLSA785 **Internship in Public Health**

HLSA785 Internship in Public Health; (3 credits) Grade Method: REG/AUD.
Prerequisite: Permission of SPHL-Health Services Administration department.
Internship and seminar providing an opportunity to apply previously acquired knowledge and skills in a health or allied health organization. Setting of the internship will depend upon the student's background and career goals.

0101	Lori Simon-Rusinowitz Contact instructor or department for details.	Seats (Total: 5)
0201	Rada Dagher Contact instructor or department for details.	Seats (Total: 5)

HLSA786 **Capstone Project in Public Health**

HLSA786 *(PermReq)* **Capstone Project in Public Health; (3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: Permission of SPHL-Health Services Administration department.
Capstone experience provding opportunity to apply knowledge and skills to a specific public health problem or issue. Completion of project relevant to public health under the direction of an advisor.

Contact department for information to register for this course.

HLSA799 **Master's Thesis Research**

HLSA799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HLSA898 **Pre-Candidacy Research**

HLSA898 *(PermReq)* **Pre-Candidacy Research; (1-8 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HLSA899 **Doctoral Dissertation Research**

HLSA899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HLSC100 **Students in the University: Integrated Life Sciences**

HLSC100 Students in the University: Integrated Life Sciences; (1 credit) Grade Method: REG/P-F/AUD.
Restriction: Must be in the Honors College Integrated Life Sciences program. Credit only granted for: EDCP108O, HLSC100, HONR100, or UNIV100H. In a small classroom setting, Integrated Life Sciences students learn about academic resources on and off campus.

0101	Byrn Quimby, Nicole Horvath Tu 2:00pm - 3:30pm	Seats (Total: 20) LPA 0124
	For students in the Honors College Integrated Life Sciences Program only.	
0102	Byrn Quimby, Nicole Horvath W 2:00pm - 3:30pm	Seats (Total: 20) LPA 0124
	For students in the Honors College Integrated Life Sciences Program only.	
0103	Byrn Quimby, Nicole Horvath Th 2:00pm - 3:30pm	Seats (Total: 20) LPA 0124

HLSC207 **Principles of Biology III Organismal Biology**

HLSC207 Principles of Biology III Organismal Biology; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: BSCI105 and BSCI106; or students who have taken courses with similar or comparable course content may contact the department. Restriction: Must be in the Honors College Integrated Life Sciences program. Credit only granted for: BSCI207, BSCI279D, or HLSC207. The diversity, structure and function of organisms as understood from the perspective of their common physicochemical principles and unique evolutionary histories.

0101	Todd Cooke MWF 9:00am - 9:50am	Seats (Total: 80) CCC 1205

HLSC374 **Mathematical Modeling in Biology**

HLSC374 Mathematical Modeling in Biology; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MATH130; or MATH140. And MATH131; or MATH141. Restriction: Must be in a major in UGST-HCOL-Integrated Life Sciences Program. Credit only granted for: HLSC374 or BSCI474. Students will learn empowering mathematical techniques through the understanding of biological models. Models are chosen from a variety of biological disciplines. Mathematical skills that will be developed along the way include: solving non-linear difference equations, eigenvector analysis, and the implementation of these algorithms as computer models.

0101	Jonathan Simon	Seats (Total: 50)	
	TuTh 9:30am - 10:45am	CCC 1111	
	M 3:00pm - 5:50pm	KEB 2111	Lab

HLTH Health Fall 2012

HLTH106 **Drug Use and Abuse**

HLTH106 Drug Use and Abuse; (3 credits) Grade Method: REG/P-F/AUD.
An interdisciplinary analysis of contemporary drug issues and problems. The course will examine physiological, psychological, social, philosophical, historical, legal and health aspects of drug use and abuse. Special attention will be focused on those general motivations for drug use that attend life on the college campus.

0101	Allison Bayley	Seats (Total: 200)
	TuTh 3:30pm - 4:45pm	SPH 1312

HLTH130 **Introduction to Public and Community Health**

HLTH130 Introduction to Public and Community Health; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. GenEd: Distributive Studies - History and Social Sciences.
Restriction: Must not have completed HLTH105; and Non-majors must have 60 or fewer credits. Credit only granted for: HLTH105 or HLTH130. Formerly: HLTH105. An introduction to the theory and practice of public and community health. The influence of public health professionals on the past, present, and future health status of society through the examination of critical health issues will be described. Programming models, theories and policy development are included.

0101	Donna Howard TuTh 2:00pm - 3:15pm	Seats (Total: 200) SPH 1312

HLTH140 **Personal and Community Health**

HLTH140 Personal and Community Health; (3 credits) Grade Method: REG/AUD. Meaning and significance of physical, mental and social health as related to the individual and to society; important phases of national health problems; constructive methods of promoting health of the individual and the community.

0101	Kimberly Heffernan TuTh 9:30am - 10:45am	Seats (Total: 200) SPH 1312
0201	Kimberly Heffernan TuTh 12:30pm - 1:45pm	Seats (Total: 200) SPH 1312

HLTH200 **Introduction to Research in Community Health**

HLTH200 *(PermReq)* **Introduction to Research in Community Health; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: Permission of SPHL-Behavioral & Community Health department. An overview of specific components and steps involved in the community health research process. Content includes, foundations of research, sampling, measurement design, and analysis in a community context.

0101	Carolyn Voorhees MW 10:00am - 10:50am F 10:00am - 10:50am	Seats (Total: 180) EGR 1202 SPH 1312

HLTH230 **Introduction to Health Behavior**

HLTH230 Introduction to Health Behavior; (3 credits) Grade Method: REG/AUD. CORE Behavioral and Social Science (SB) Course. GenEd: Distributive Studies - History and Social Sciences.
Prerequisite: Completed or be concurrently enrolled in HLTH130. Psychological, social psychological, and sociological approaches to the following health areas: development of health attitudes and behavior, patient-provider interaction and the organization of health care.

0101	Robert Feldman TuTh 3:30pm - 4:45pm	Seats (Total: 200) HJP 0226

HLTH285 **Controlling Stress and Tension**

HLTH285 Controlling Stress and Tension; (3 credits) Grade Method: REG/AUD. CORE Interdisciplinary & Emerging Issues (IE) Course.
Health problems related to stress and tension. Analysis of causative psychosocial stressors and intervening physiological mechanisms. Emphasis on prevention and control of stress through techniques such as biofeedback, meditation and neuromuscular relaxation.

0101	Tracy Zeeger TuTh 8:00am - 9:15am	Seats (Total: 200) SPH 1312

HLTH289 **Topical Investigations**

HLTH289 Topical Investigations; (1-3 credits) Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HLTH300 **Biostatistics for Public Health Practice**

HLTH300 *(PermReq)* **Biostatistics for Public Health Practice; (3 credits)** Grade Method: REG/P-F/AUD. GenEd: Fundamental Studies - Analytic Reasoning. *Prerequisite: Completed or be concurrently enrolled in HLTH200. Restriction: Must be in Community Health program. Credit only granted for: EPIB300 or HLTH300.* An examination of biostatistical concepts and procedures as they relate to contemporary issues in public health. Focus on applications, hands-on-experience, and interpretations of statistical findings in public health research.

0101	Carolyn Voorhees TuTh 11:00am - 12:15pm	Seats (Total: 150) EGR 1202

HLTH301 **Epidemiology for Public Health Practice**

HLTH301 *(PermReq)* **Epidemiology for Public Health Practice; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: HLTH300 and HLTH200. Restriction: Must be in Community Health program. Credit only granted for: EPIB301 or HLTH301. An examination of the discipline of epidemiology and its application to public health issues and practices, covering current epidemiological concepts and methods.

0101	Kerry Green TuTh 9:30am - 10:45am	Seats (Total: 100) CSS 2324
SG91	Hannah Day Tu 6:00pm - 8:50pm *This section meets at the Shady Grove Campus.*	Seats (Total: 35) BLD3 3219

HLTH371 **Communicating Safety and Health**

HLTH371 Communicating Safety and Health; (3 credits) Grade Method: REG/AUD.
The communication and evaluation of safety and health information. Emphasis on various types of communications and recipient factors which contribute to their success or failure.

0101	Kenneth Beck TuTh 12:30pm - 1:45pm	Seats (Total: 40) SPH 0302

HLTH377 **Human Sexuality**

HLTH377 Human Sexuality; (3 credits) Grade Method: REG/P-F/AUD.
The biological and developmental aspects of human sexuality; the psychological and emotional aspects of sexual behavior; sexual identity; the historical, cultural, social, linguistic, legal and moral forces affecting sexual issues; the importance of communication, disclosure and intimacy in interpersonal relationships; and research trends in the area of human sexuality. Junior standing.

0101	Robin Sawyer TuTh 11:00am - 12:15pm	Seats (Total: 200) SPH 1312

SG91	Jennifer Todd	Seats (Total: 40)
	W 10:30am - 1:20pm	BLD3 4220
	Registration is restricted to Biological Sciences-Shady Grove majors. Permission is required for all other students to enroll in courses at Shady Grove. Please email usgbioscie@umd.edu for permission.	

HLTH380 **Peer Education: Alcohol and Other Drugs**
Contact department for information to register for this course.

HLTH381 **Peer Education: Stress Management**
Contact department for information to register for this course.

HLTH382 **Peer Education: Sexuality and Communication**
Contact department for information to register for this course.

HLTH383 **Peer Education: Reproductive Health**
Contact department for information to register for this course.

HLTH386 **Experiential Learning**

HLTH386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: Permission of SPHL-Behavioral & Community Health department. Restriction: Junior standing or higher.

Contact department for information to register for this course.

HLTH389 **Topical Investigations**

HLTH389 Topical Investigations; (1-3 credits) Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HLTH391 **Principles of Community Health I**

HLTH391 *(PermReq)* **Principles of Community Health I; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: HLTH140, HLTH230, HLTH300, and BSCI202. Corequisite: Concurrently enrolled in HLTH301. Restriction: Must be in Community Health program. Broad overview of community health. Health promotion, consumer health, public health, school health, environmental health, preventive medicine, human biology and the health care system are examined. Each area's contribution to community health is discussed.

0101	Sharon Desmond TuTh 9:30am - 10:45am	Seats (Total: 25) SPH 0305
0201	Tracy Zeeger TuTh 12:30pm - 1:45pm	Seats (Total: 25) SPH 0307
0301	Sharon Desmond Th 4:00pm - 6:45pm	Seats (Total: 25) SPH 0305
0401	Robert Feldman W 4:00pm - 6:45pm	Seats (Total: 25) SPH 0305

HLTH420 **Methods and Materials in Health Education**

HLTH420 *(PermReq)* **Methods and Materials in Health Education; (3 credits)** Grade Method: REG/AUD. GenEd: Fundamental Studies - Oral Communications.
Prerequisite: HLTH301 and HLTH391. Corequisite: Concurrently enrolled in HLTH490. Credit only granted for: ARCH403, COMM107, COMM200, ENES143, HLTH420, INAG110, JOUR130 or THET285. The purpose of this course is to present the interrelationships of curriculum planning, methodology and the selection and use of teaching aids and materials. Special problems associated with health teaching are discussed. Students become familiar with a variety of resources as well as with planning for and presenting demonstration lessons.

0201	Martha Reynolds TuTh 11:00am - 12:15pm	Seats (Total: 18) SPH 0301
0301	Katherine Sharp M 4:00pm - 6:45pm	Seats (Total: 18) SPH 0301

0401	Martha Reynolds TuTh 12:30pm - 1:45pm	Seats (Total: 18) SPH 0301
0501	Martha Reynolds TuTh 9:30am - 10:45am	Seats (Total: 18) CHE 2145

HLTH471 **Women's Health**

HLTH471 Women's Health; (3 credits) Grade Method: REG/AUD. CORE Diversity (D) Course.
Also offered as: WMST471. Credit only granted for: HLT471 or WMST471. The historical, physiological, psychological, and sociological mechanisms which contribute to women's health. Topics will include gynecological concerns and reproductive health; nutrition, exercise; violence; substance use/abuse; and the health of special populations. Recommended for junior and senior women.

0101	Allison Bayley MWF 9:00am - 9:50am	Seats (Total: 200) SPH 1312

HLTH489 **Field Laboratory Projects and Workshop**

HLTH489 *(PermReq)* **Field Laboratory Projects and Workshop; (1-6 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HLTH490 **Principles of Community Health II**

HLTH490 *(PermReq)* **Principles of Community Health II; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: HLTH301 and HLTH391. Corequisite: Concurrently enrolled in HLTH420. Students will be involved in the applied aspects of community health education. They will work with specific local community groups, planning, developing, implementing and evaluating a community health project. Health agencies and community health marketing techniques will be investigated.

0101	Nancy Smith MW 11:00am - 12:15pm	Seats (Total: 18) SPH 0301

0201	Nancy Smith MW 12:30pm - 1:45pm	Seats (Total: 18) SPH 0301
0301	Nancy Smith TuTh 12:30pm - 1:45pm	Seats (Total: 18) SPH 1242A
0501	Tracy Zeeger TuTh 11:00am - 12:15pm	Seats (Total: 18) SPH 0303

HLTH491 **Community Health Internship**

HLTH491 *(PermReq)* **Community Health Internship; (12 credits)** Grade Method: S-F.
Prerequisite: HLTH490. Restriction: Must be in Community Health program.
Integrating theory with practice in a community health setting. Class meets in JMZ 0105. Please see instructor for details.

0101	Elbert Glover, Anne Anderson-Sawyer W 1:00pm - 3:00pm Contact instructor or department for details.	Seats (Total: 100) Location: TBA

HLTH498A **Special Topics in Health; Massage Therapy & Stress**

HLTH498A Special Topics in Health: Massage Therapy & Stress; (3 credits) Grade Method: REG/P-F/AUD.

0101	Geoffrey Gilbert M 3:00pm - 5:45pm	Seats (Total: 30) SPH 0107

HLTH498P **Special Topics in Health; Pregnancy Counseling**
Contact department for information to register for this course.

HLTH606 **Foundations of Public Health Education and Policy**

HLTH606 Foundations of Public Health Education and Policy; (3 credits) Grade Method: REG.
Restriction: Must be in MPH: Community Health Education (Master's) program; or must be in Ph.D.: Public and Community Health (Doctoral) program. Examines foundations and content of two professions, health education and public health, including history, mission, terminology, philosophy, ethical principles and scientific foundations. Emerging and reemerging threats to the public's health will be discussed, as well as societal influences on health and health policy. Also addresses professional competencies and preparation, and the role of professional organizations.

0101	Craig Fryer	Seats (Total: 25)
	Tu 4:00pm - 6:45pm	SPH 0307

HLTH652 **Quantitative Research Methods I in Public health**

HLTH652 Quantitative Research Methods I in Public health; (3 credits) Grade Method: REG.
Restriction: Must be in MPH: Community Health Education (Master's) program; or must be in Ph.D.: Public and Community Health (Doctoral) program. Credit only granted for: HLTH652 or HLTH688R. Formerly: HLTH688R. Intermediate statistics and procedures in public health-related research for doctoral students. Focuses on applied statistics rather than theoretical, with emphasis on 1) how to apply statistical models, 2) how to perform the analysis with avialable software, and 3) how to interpret findings.

0101	Min Wang	Seats (Total: 10)
	Tu 7:00pm - 9:45pm	SPH 0301

HLTH665 **Health Behavior I**

HLTH665 *(PermReq)* **Health Behavior I; (3 credits)** Grade Method: REG/AUD.
The psychological, social psychological, and sociological theories of health behavior. The relation of health knowledge, beliefs, attitudes, intentions, and behavior to preventive, illness, sick-role, and health utilization behaviors.

0101	Donna Howard	Seats (Total: 25)
	W 4:00pm - 6:45pm	SPH 0308

HLTH688 **Special Problems in Health Education**

HLTH688 *(PermReq)* **Special Problems in Health Education; (1-6 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HLTH710 **Methods and Techniques of Research**

HLTH710 Methods and Techniques of Research; (3 credits) Grade Method: REG/AUD.
For Health majors only.

0101	Kenneth Beck	Seats (Total: 25)
	M 4:00pm - 6:45pm	SPH 0305

HLTH775 **Health Education Program Planning and Evaluation**

HLTH775 Health Education Program Planning and Evaluation; (3 credits) Grade Method: REG/AUD.
Prerequisite: HLTH710; and permission of SPHL-Behavioral & Community Health department. A systematic approach to the planning and evaluation of Health Education programs. Diagnosis of the social, psychological, educational and administrative aspects of the health education program. Program monitoring, rigorous methods of impact assessment, and the measurement of efficiency.

0101	James Butler	Seats (Total: 25)
	Th 4:00pm - 6:45pm	SPH 0307

HLTH785 **Internship in Public Health**

HLTH785 Internship in Public Health; (3 credits) Grade Method: REG/AUD.
Prerequisite: HLTH665, HLTH775, and HLTH780; or permission of SPHL-Behavioral & Community Health department. Internship and seminar providing an opportunity to apply previously aquired knowledge and skills in a health or allied health organization. Setting of the internship will depend upon the student's background and career goals. Meets in SPH2387 from 7p-9p on selected dates. See instructor for details.

0101	Anne Anderson-Sawyer, Elbert Glover	Seats (Total: 15)
	Contact instructor or department for details.	

HLTH786 **Capstone Project in Public Health**

HLTH786 *(PermReq)* **Capstone Project in Public Health; (3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: Must have completed all required coursework; and permission of SPHL-Behavioral & Community Health department. Restriction: Must be in a major within SPHL-Behavioral & Community Health department. Capstone experience providing opportunity to apply knowledge and skills to a specific public health problem or issue. Completion of project relevant to public health under the direction of an advisor.

Contact department for information to register for this course.

HLTH799 **Master's Thesis Research**

HLTH799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HLTH898 **Pre-Candidacy Research**

HLTH898 *(PermReq)* **Pre-Candidacy Research; (1-8 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HLTH899 **Doctoral Dissertation Research**

HLTH899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HONR Honors Fall 2012

HONR100 **Honors Colloquium**

HONR100 Honors Colloquium; (1 credit) Grade Method: REG.
Restriction: Permission of University Honors Program. Attendance at various additional activities and events is required. Reading and discussion on the personal and social value of higher education; development of a coherent general education program; exploration of the educational and cultural resources of the campus and metropolitan area; participation in a community service project; and other activities designed to broaden students' conception of what it means to be an educated person.

0101	William Dorland M 4:00pm - 5:30pm	Seats (Total: 15) ASY 3219
0102	William Dorland M 4:00pm - 5:30pm	Seats (Total: 15) HBK 0123
0103	William Dorland M 4:00pm - 5:30pm	Seats (Total: 15) PLS 1180
0104	William Dorland M 4:00pm - 5:30pm	Seats (Total: 15) KEY 0117
0105	William Dorland M 4:00pm - 5:30pm	Seats (Total: 15) HAG 1125
0106	William Dorland M 4:00pm - 5:30pm	Seats (Total: 15) HAG 1112
0107	William Dorland M 4:00pm - 5:30pm	Seats (Total: 15) BPS 1232
0108	William Dorland M 4:00pm - 5:30pm	Seats (Total: 15) LAP 1125
0109	William Dorland M 4:00pm - 5:30pm	Seats (Total: 15) ANA 0103
0110	William Dorland M 4:00pm - 5:30pm	Seats (Total: 15) LAP 1124
0111	William Dorland M 4:00pm - 5:30pm	Seats (Total: 15) PLS 1117

0112	William Dorland M 4:00pm - 5:30pm	Seats (Total: 15) PLS 1176
0201	William Dorland Tu 3:30pm - 4:45pm	Seats (Total: 15) BPS 1228
0202	William Dorland Tu 3:30pm - 4:45pm	Seats (Total: 15) TLF 1103
0203	William Dorland Tu 3:30pm - 4:45pm	Seats (Total: 15) ANA 0103
0204	William Dorland Tu 3:30pm - 4:45pm	Seats (Total: 15) ASY 3215
0205	William Dorland Tu 3:30pm - 4:45pm	Seats (Total: 15) HAG 1125
0206	William Dorland Tu 3:30pm - 4:45pm	Seats (Total: 15) HAG 1112
0207	William Dorland Tu 3:30pm - 4:45pm	Seats (Total: 15) LAP 1124
0208	William Dorland Tu 3:30pm - 4:45pm	Seats (Total: 15) HBK 1108
0209	William Dorland Tu 3:30pm - 4:45pm	Seats (Total: 15) MTH 0102
0210	William Dorland Tu 3:30pm - 4:45pm	Seats (Total: 15) LAP 0124
0211	William Dorland Tu 3:30pm - 4:45pm	Seats (Total: 15) KEY 0123
0212	William Dorland Tu 3:30pm - 4:45pm	Seats (Total: 15) JMZ 0120
0301	William Dorland W 4:00pm - 5:30pm	Seats (Total: 15) JMZ 0118

0302	William Dorland W 4:00pm - 5:30pm	Seats (Total: 15) HAG 1125
0303	William Dorland W 4:00pm - 5:30pm	Seats (Total: 15) HAG 1112
0304	William Dorland W 4:00pm - 5:30pm	Seats (Total: 15) LAP 1124
0305	William Dorland W 4:00pm - 5:30pm	Seats (Total: 15) HBK 1112
0306	William Dorland W 4:00pm - 5:30pm	Seats (Total: 15) ARM 0101
0307	William Dorland W 4:00pm - 5:30pm	Seats (Total: 15) PLS 1113
0308	William Dorland W 4:00pm - 5:30pm	Seats (Total: 15) MTH 0302
0309	William Dorland W 4:00pm - 5:30pm	Seats (Total: 15) SYM 0215
0310	William Dorland W 4:00pm - 5:30pm	Seats (Total: 15) HBK 1108
0311	William Dorland W 4:00pm - 5:30pm	Seats (Total: 15) JMZ 0120
0312	William Dorland W 4:00pm - 5:30pm	Seats (Total: 15) JMZ 2120

HONR208A **Honors Seminar: Earthquakes of the Mind**

HONR208A Honors Seminar: Earthquakes of the Mind; (3 credits) Grade Method: REG. CORE Literature (HL) Course. GenEd: Distributive Studies - Humanities.

0101	Gerard Passannante MW 2:00pm - 3:15pm	Seats (Total: 20) TWS 3252

HONR208B **Honors Seminar: Contemporary Indian Society**

HONR208B Honors Seminar: Contemporary Indian Society; (3 credits) Grade Method: REG. CORE Behavioral and Social Science (SB) Course. CORE Diversity (D) Course.

0101	Sonalde Desai	Seats (Total: 20)
	M 4:00pm - 6:30pm	ANA 0120

HONR208I **Why Good Managers Make Bad Decisions**

HONR208I Why Good Managers Make Bad Decisions; (3 credits) Grade Method: REG. CORE Mathematics or Formal Reasoning (MS) Course. GenEd: Distributive Studies - Scholarship in Practice; Signature Courses - I-Series.
Credit can be earned for either HONR208I or BMGT289I, but not both.

0101	Mark Wellman	Seats (Total: 23)
	Th 7:00pm - 9:30pm	VMH 1330

HONR208K **Does the Museum Need Killer App?**

HONR208K Does the Museum Need Killer App?; (3 credits) Grade Method: REG. CORE History or Theory of Arts (HA) Course.

0101	Henry Gregory	Seats (Total: 20)
	Th 2:00pm - 4:30pm	ASY 4213A

HONR208L **Justice Matters: Law, Literature, and Film**

HONR208L Justice Matters: Law, Literature, and Film; (3 credits) Grade Method: REG. CORE Literature (HL) Course. GenEd: Distributive Studies - Humanities; Signature Courses - I-Series.

0101	Sara Schotland	Seats (Total: 20)
	TuTh 9:30am - 10:45am	BPS 0283

HONR208M **Honors Seminar: Utopia and Dystopia: Reality and Relevance**

HONR208M Honors Seminar: Utopia and Dystopia: Reality and Relevance; (3 credits) Grade Method: REG. CORE Humanities (HO) Course. GenEd: Distributive Studies - Humanities.

0101	Sara Schotland	Seats (Total: 20)
	TuTh 11:00am - 12:15pm	PLS 1117

HONR208O **The Human Mind and the Nature of the Self**

HONR208O The Human Mind and the Nature of the Self; (3 credits) Grade Method: REG. CORE Humanities (HO) Course. GenEd: Distributive Studies - Humanities.

0101	Jerome Regier	Seats (Total: 20)
	TuTh 12:30pm - 1:45pm	PLS 4102

HONR208V **The Ancient Roman City: Pompeii and Beyond**

HONR208V The Ancient Roman City: Pompeii and Beyond; (3 credits) Grade Method: REG. CORE History or Theory of Arts (HA) Course. GenEd: Distributive Studies - History and Social Sciences or Distributive Studies - Humanities.

0101	Robert Vann	Seats (Total: 20)
	TuTh 3:30pm - 4:45pm	ARC 1123

HONR209A **On Understanding Contemporary Lives**

HONR209A On Understanding Contemporary Lives; (3 credits) Grade Method: REG. CORE Humanities (HO) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - Humanities; Diversity - Understanding Plural Societies.

0101	John Caughey	Seats (Total: 20)
	MW 10:00am - 11:15am	CHM 1224

HONR209B **New Orleans: History Lessons from The Big (Un)Easy**

HONR209B New Orleans: History Lessons from The Big (Un)Easy; (3 credits) Grade Method: REG. CORE Social or Political History (SH) Course. CORE Diversity (D) Course. GenEd: Diversity - Understanding Plural Societies.

0101	Emily Landau TuTh 2:00pm - 3:15pm	Seats (Total: 20) MTH 1308

HONR209C **The Plight of Children in The Arts**

HONR209C The Plight of Children in The Arts; (3 credits) Grade Method: REG. CORE History or Theory of Arts (HA) Course.

0101	Anthony Colantuono Th 2:00pm - 4:30pm	Seats (Total: 20) ARC 1125

HONR209D **Connections Between Science and Music**

HONR209D Connections Between Science and Music; (3 credits) Grade Method: REG. CORE Interdisciplinary & Emerging Issues (IE) Course. GenEd: Distributive Studies - Humanities.

0101	Ashley White M 5:30pm - 8:00pm	Seats (Total: 20) TWS 1105

HONR209O **The Science of Sleep and Biological Rhythms**

HONR209O The Science of Sleep and Biological Rhythms; (3 credits) Grade Method: REG. CORE Life Science (LS) Course.

0101	David Yager TuTh 12:30pm - 1:45pm	Seats (Total: 20) CSS 2416

HONR209Y **Novels! Modern Fictions**

HONR209Y Novels! Modern Fiction; (3 credits) Grade Method: REG. CORE Literature (HL) Course. GenEd: Distributive Studies - Humanities.

0101	Sylvia O'Sullivan TuTh 12:30pm - 1:45pm	Seats (Total: 20) ANA 0103

HONR218A **Honors Seminar: Proteins, The Ultimate Molecular Machines**

HONR218A Honors Seminar: Proteins, The Ultimate Molecular Machines; (3 credits) Grade Method: REG. CORE Life Science (LS) Course.

0101	Norma Allewell TuTh 2:00pm - 3:15pm	Seats (Total: 20) EGR 0108

HONR218L **Honors Seminar: Language and Mind**

HONR218L Honors Seminar: Language and Mind; (3 credits) Grade Method: REG. CORE Humanities (HO) Course. GenEd: Distributive Studies - Humanities.

0101	Valentine Hacquard TuTh 9:30am - 10:45am	Seats (Total: 20) MMH 0108

HONR219K **The Black Middle Class**

HONR219K The Black Middle Class; (3 credits) Grade Method: REG. CORE Social or Political History (SH) Course. CORE Diversity (D) Course.

0101	Kris Marsh TuTh 11:00am - 12:15pm	Seats (Total: 20) ARC 1127

HONR219X **The Historical Jesus**

HONR219X The Historical Jesus; (3 credits) Grade Method: REG. CORE Social or Political History (SH) Course.

0101	John Newman M 3:30pm - 6:00pm	Seats (Total: 20) LPA 0124

HONR219Z **Apocalypse Then and Now: World Traditions of the End Times**

HONR219Z Apocalypse Then and Now: World Traditions of the End Times; (3 credits) Grade Method: REG. CORE Humanities (HO) Course. CORE Diversity (D) Course.

0101	John Carlson Tu 7:00pm - 9:30pm	Seats (Total: 20) LAP 0124

0102	John Carlson W 7:00pm - 9:30pm	Seats (Total: 20) LAP 0124

HONR228T **Journalism and Peace**

HONR228T Journalism and Peace; (3 credits) Grade Method: REG. CORE Interdisciplinary & Emerging Issues (IE) Course.

0101	Colman McCarthy M 12:00pm - 2:30pm	Seats (Total: 20) ELL 0108

HONR229F **Honors Seminar: New Media Frontiers**

HONR229F Honors Seminar: New Media Frontiers; (3 credits) Grade Method: REG. CORE Interdisciplinary & Emerging Issues (IE) Course.

0101	Leslie Walker TuTh 2:00pm - 3:15pm	Seats (Total: 20) KNI 2105

HONR229M **Evaluating Health Risks from Environmental Toxicants**

HONR229M Evaluating Health Risks from Environmental Toxicants; (3 credits) Grade Method: REG. CORE Life Science (LS) Course.

0101	Amy Brown TuTh 9:30am - 10:45am	Seats (Total: 20) LPA 0124

HONR229T **Race, The Civil Rights Movement and the Press**

HONR229T Race, The Civil Rights Movement and the Press; (3 credits) Grade Method: REG. CORE Behavioral and Social Science (SB) Course. CORE Diversity (D) Course.

0101	Haynes Johnson M 1:00pm - 3:30pm	Seats (Total: 20) KNI 1206

HONR238A **Honors Seminar: Backstage in the Nation's Capital: The Washington D.C. Theater Experience**

HONR238A Honors Seminar: Backstage in the Nation's Capital: The Washington D.C. Theater Experience; (3 credits) Grade Method: REG. CORE History or Theory of Arts (HA) Course. GenEd: Distributive Studies - Humanities.

0101	Korey Rothman Tu 2:00pm - 4:30pm	Seats (Total: 20) ANA 0120

HONR238C **The Future of Energy and Climate Policy: Money, Influence, and the Competing Strategies to Influence Power**

HONR238C The Future of Energy and Climate Policy: Money, Influence, and the Competing Strategies to Influence Power; (3 credits) Grade Method: REG. CORE Interdisciplinary & Emerging Issues (IE) Course. GenEd: Distributive Studies - Scholarship in Practice.

0101	Tyson Slocum W 3:30pm - 6:00pm	Seats (Total: 20) ANA 0120

HONR238D **Honors Seminar: The Contemporary American Musical Theatre: From Hair to Hairspray -- and Beyond**

HONR238D Honors Seminar: The Contemporary American Musical Theatre: From Hair to Hairspray; (3 credits) Grade Method: REG. CORE History or Theory of Arts (HA) Course. CORE Diversity (D) Course.

0101	Korey Rothman MW 10:00am - 11:15am	Seats (Total: 20) ANA 0120
0201	Korey Rothman MW 12:00pm - 1:15pm	Seats (Total: 20) ANA 0120

HONR238F **Honors Seminar: From Animal Thoughts to Animal Feelings: Cognitive and Applied Ethology's Understanding of Animals**

HONR238F Honors Seminar: From Animal Thoughts to Animal Feelings: Cognitive and Applied Ethology's Understanding of Animals; (3 credits) Grade Method: REG. CORE Humanities (HO) Course.

0101	Kim Drnec, William Stricklin TuTh 3:30pm - 4:45pm	Seats (Total: 20) SYM 0215

HONR238L **Honors Seminar: Engineering in Ancient Empires**

HONR238L Honors Seminar: Engineering in Ancient Empires; (3 credits) Grade Method: REG. CORE Social or Political History (SH) Course. GenEd: Distributive Studies - History and Social Sciences.

0101	Denis Sullivan	Seats (Total: 20)
	TuTh 3:30pm - 4:45pm	TYD 2108

HONR238R **Honors Seminar: Terrorism**

HONR238R Honors Seminar: Terrorism; (3 credits) Grade Method: REG. CORE Social or Political History (SH) Course. GenEd: Distributive Studies - History and Social Sciences.

0101	Edwin Smead	Seats (Total: 20)
	M 3:30pm - 6:05pm	TLF 1103

HONR238T **Honors Seminar: The Body and Literature**

HONR238T Honors Seminar: The Body and Literature; (3 credits) Grade Method: REG. CORE Literature (HL) Course. GenEd: Distributive Studies - Humanities.

0101	Sylvia O'Sullivan	Seats (Total: 20)
	TuTh 11:00am - 12:15pm	ANA 0103

HONR239C **Honors Seminar: The Creative Process in Dance**

HONR239C Honors Seminar: The Creative Process in Dance; (3 credits) Grade Method: REG. CORE History or Theory of Arts (HA) Course. CORE Diversity (D) Course.

0101	Anne Warren	Seats (Total: 20)
	MW 2:00pm - 3:15pm	ANA 0120

HONR248H **Honors Seminar: From Willowbrook to Attica: Delinquency in the Context of Disability**

HONR248H Honors Seminar: From Willowbrook to Attica: Delinquency in the Context of Disability; (3 credits) Grade Method: REG. CORE Behavioral and Social Science (SB) Course. CORE Diversity (D) Course.

0101	David Domenici M 1:00pm - 3:50pm	Seats (Total: 20) ANA 0103

HONR248W **Honors Seminar: America in the 1960's**

HONR248W Honors Seminar: America in the 1960's; (3 credits) Grade Method: REG. CORE Social or Political History (SH) Course.

0101	John Newman M 12:00pm - 2:30pm	Seats (Total: 20) LPA 0124

HONR248Y **Honors Seminar: Design and the Creative Process**

HONR248Y Honors Seminar: Design and the Creative Process; (3 credits) Grade Method: REG. CORE History or Theory of Arts (HA) Course.

0101	Ruth Lozner TuTh 3:30pm - 4:45pm	Seats (Total: 20) ASY 2322

HONR249L **The Historical Development of London**
Contact department for information to register for this course.

HONR249V **Honors Seminar: Lawyers and the Adversary System**

HONR249V Honors Seminar: Lawyers and the Adversary System; (3 credits) Grade Method: REG. CORE Humanities (HO) Course.

0101	Gary Pavela M 2:00pm - 4:30pm	Seats (Total: 20) TYD 2102

HONR249W **Honors Seminar: The Spiritual Heritage of the Human Race**

HONR249W Honors Seminar: The Spiritual Heritage of the Human Race; (3 credits) Grade Method: REG. CORE Humanities (HO) Course. CORE Diversity (D) Course.

0101	Michael Dravis, Suheil Bushrui Th 1:30pm - 4:00pm	Seats (Total: 20) TLF 2103

HONR258O **Honors Seminar; The Kinesiological Bases of Skilled Perfomance**

HONR258O Honors Seminar: The Kinesiological Bases of Skilled Perfomance; (3 credits) Grade Method: REG.
Students must pay a $45 equipment fee.

0101	Seppo Iso-Ahola	Seats (Total: 20)
	TuTh 2:00pm - 3:15pm	SPH 0303

HONR258T **Honors Seminar: Tools of Fiction: Literature and/as Creative Writing**

HONR258T Honors Seminar: Tools of Fiction: Literature and/as Creative Writing; (3 credits) Grade Method: REG. CORE Literature (HL) Course.

0101	Dean Hebert	Seats (Total: 20)
	TuTh 12:30pm - 1:45pm	ELL 0108

HONR258W **Honors Seminar: Exploring Homophobia: Demystifying Lesbian, Gay, Bisexual, and Transgender Issues**

HONR258W Honors Seminar: Exploring Homophobia: Demystifying Lesbian, Gay, and Bisexual Issues; (3 credits) Grade Method: REG. CORE Diversity (D) Course.

0101	Robyn Zeiger	Seats (Total: 20)
	TuTh 11:00am - 12:15pm	ELL 0108

HONR259L **Thinking Strategically**

HONR259L Thinking Strategically; (3 credits) Grade Method: REG. CORE Mathematics or Formal Reasoning (MS) Course.

0101	Daniel Vincent	Seats (Total: 20)
	TuTh 11:00am - 12:15pm	TYD 0111

HONR268L **Honors Seminar: United States Immigration Issues**

HONR268L Honors Seminar: United States Immigration Issues; (3 credits) Grade Method: REG. CORE Behavioral and Social Science (SB) Course. CORE Diversity (D) Course.

0101	Dorith Grant-Wisdom TuTh 11:00am - 12:15pm	Seats (Total: 20) TWS 3252

HONR268W **Honors Seminar: Disability Studies: Stories, Law, and Social Policy**

HONR268W Honors Seminar: Disability Studies: Stories, Law, and Social Policy; (3 credits) Grade Method: REG. CORE Humanities (HO) Course. CORE Diversity (D) Course.

0101	Sara Schotland Tu 2:00pm - 4:30pm	Seats (Total: 20) CHE 2136

HONR269A **Honors Seminar: Contemporary Arts and Ideas**

HONR269A Honors Seminar: Contemporary Arts and Ideas; (3 credits) Grade Method: REG. CORE History or Theory of Arts (HA) Course.

0101	Ingrid Satelmajer TuTh 2:00pm - 3:15pm	Seats (Total: 20) ELL 0108

HONR269E **Honors Seminar: Exploring Key Issues of Globalization**

HONR269E Honors Seminar: Exploring Key Issues of Globalization; (3 credits) Grade Method: REG. CORE Behavioral and Social Science (SB) Course. CORE Diversity (D) Course.

0101	Dorith Grant-Wisdom TuTh 2:00pm - 3:15pm	Seats (Total: 20) TWS 3252

HONR269K **Honors Seminar: The Death Penalty: Kill it or Reform it?**

HONR269K Honors Seminar: The Death Penalty: Kill it or Reform it?; (3 credits) Grade Method: REG. CORE Behavioral and Social Science (SB) Course.

0101	Sara Schotland Th 2:00pm - 4:30pm	Seats (Total: 20) EGR 1104

HONR269P **Honors Seminar: Formulating U.S. Science and Technology Policy**

HONR269P Honors Seminar: Formulating U.S. Science and Technology Policy; (3 credits) Grade Method: REG. CORE Interdisciplinary & Emerging Issues (IE) Course.

0101	Henry Lucas	Seats (Total: 20)
	TuTh 12:30pm - 1:45pm	VMH 2509

HONR269T **Honors Seminar: Understanding U.S. Foreign Policy toward Afghanistan**

HONR269T Honors Seminar: Understanding U.S. Foreign Policy toward Afghanistan; (3 credits) Grade Method: REG. CORE Behavioral and Social Science (SB) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - History and Social Sciences; Signature Courses - I-Series.

0101	Temim Nusraty	Seats (Total: 20)
	Th 6:00pm - 8:30pm	ANA 0120

HONR269V **Honors Seminar: Virus Hunting: From Emerging Diseases to Nano-Technologies**

HONR269V Honors Seminar: Virus Hunting: From Emerging Diseases to Nano-Technologies; (3 credits) Grade Method: REG. CORE Life Science (LS) Course.

0101	James Culver	Seats (Total: 20)
	TuTh 2:00pm - 3:15pm	JMP 1202

HONR269X **Honors Seminar: Faith in Science: Intersections between Science and Religion**

HONR269X Honors Seminar: Faith in Science: Intersections between Science and Religion; (3 credits) Grade Method: REG. CORE Interdisciplinary & Emerging Issues (IE) Course.

0101	Rajarshi Roy	Seats (Total: 20)
	TuTh 2:00pm - 3:15pm	PLS 1176

HONR269Z **Darwin's Dangerous Idea**

HONR269Z Darwin's Dangerous Idea; (3 credits) Grade Method: REG. CORE Humanities (HO) Course. GenEd: Distributive Studies - History and Social Sciences or Distributive Studies - Humanities; Signature Courses - I-Series.

0101	Lindley Darden	Seats (Total: 20)
	TuTh 12:30pm - 1:45pm	PLS 1111

HONR278B **From Famine to Fast Foods: Food and Culture in a Globalized World**

HONR278B From Famine to Fast Foods: Food and Culture in a Globalized World; (3 credits) Grade Method: REG. CORE Humanities (HO) Course.

0101	Mira Mehta	Seats (Total: 20)
	TuTh 11:00am - 12:15pm	SKN 0101

HONR279E **Honors Seminar: Languages of Europe**

HONR279E Honors Seminar: Languages of Europe; (3 credits) Grade Method: REG. CORE Humanities (HO) Course. GenEd: Distributive Studies - Humanities.

0101	Robert De Keyser	Seats (Total: 20)
	TuTh 3:30pm - 4:45pm	SQH 1111

HONR279M **Honors Seminar: How does the Brain Speak? Insights from Neuroimaging and Brain Damage**

HONR279M Honors Seminar: How does the Brain Speak? Insights from Neuroimaging and Brain Damage; (3 credits) Grade Method: REG. CORE Interdisciplinary & Emerging Issues (IE) Course.

0101	Yasmeen Shah	Seats (Total: 20)
	TuTh 12:30pm - 1:45pm	ANA 0120

HONR279W **Honors Seminar: The Solar System**

HONR279W Honors Seminar: The Solar System; (3 credits) Grade Method: REG. CORE Physical Science (PS) Course. GenEd: Distributive Studies - Natural Sciences.

0101	Richard Walker	Seats (Total: 20)
	TuTh 12:30pm - 1:45pm	PLS 1162

HONR288B **Honors Seminar: True Science Versus Public Perception**

HONR288B Honors Seminar: True Science Versus Public Perception; (3 credits) Grade Method: REG. CORE Life Science (LS) Course.

0101	Bonnie Dixon	Seats (Total: 20)
	MW 2:00pm - 3:15pm	MTH 1308

HONR288L **Medical Devices: Applied Ethics and Public Policy**

HONR288L Medical Devices: Applied Ethics and Public Policy; (3 credits) Grade Method: REG. CORE Behavioral and Social Science (SB) Course. GenEd: Distributive Studies - Scholarship in Practice.

0101	Glenn Rahmoeller	Seats (Total: 20)
	TuTh 2:00pm - 3:15pm	EGR 1110

HONR288M **Honors Seminar: Boomtowns: Technological Innovations in the Context of Community**

HONR288M Honors Seminar: Boomtowns: Technological Innovations in the Context of Community; (3 credits) Grade Method: REG. CORE Interdisciplinary & Emerging Issues (IE) Course.

0101	Sheryl Ehrman	Seats (Total: 20)
	W 3:00pm - 5:30pm	CHE 2116

HONR288O **Honors Seminar: Why Do Things Fail?**

HONR288O Honors Seminar: Why Do Things Fail?; (3 credits) Grade Method: REG. CORE Physical Science (PS) Course.

0101	William Fourney	Seats (Total: 20)
	TuTh 9:30am - 10:45am	EGR 0135

HONR288R **Honors Seminar: Medical Humanities: Illness and Autobiography**

HONR288R Honors Seminar: Medical Humanities: Illness and Autobiography; (3 credits) Grade Method: REG. CORE Literature (HL) Course. CORE Diversity (D) Course.

0101	Cathy Barks TuTh 5:00pm - 6:15pm	Seats (Total: 20) ANA 0103

HONR289A **The Ecology and Evolutionary Biology of Infectious Disease**

HONR289A The Ecology and Evolutionary Biology of Infectious Disease; (3 credits) Grade Method: REG. CORE Life Science (LS) Course.

0101	Benjamin Rosenthal Tu 3:30pm - 6:00pm	Seats (Total: 20) ELL 0108

HONR289N **Physical Activity in Health and Human Performance: From Fat to Fit to Olympic Gold**

HONR289N Honors Seminar: Physical Activity in Health and Human Performance: From Fat to Fit to Olympic Gold; (3 credits) Grade Method: REG.

0101	Colleen Farmer W 2:00pm - 4:30pm	Seats (Total: 20) SPH 1303

HONR289T **Rule of Law: The Bedrock of Democracy**

HONR289T Rule of Law: The Bedrock of Democracy; (3 credits) Grade Method: REG. CORE Behavioral and Social Science (SB) Course.

0101	David Falk TuTh 9:30am - 10:45am	Seats (Total: 20) ANA 0103

HONR348J **Advanced Honors Seminar; Contemporary Social Issues**

HONR348J Advanced Honors Seminar: Contemporary Social Issues; (3 credits) Grade Method: REG. GenEd: Diversity - Cultural Competency.

0101	Edwin Smead W 4:00pm - 6:30pm	Seats (Total: 20) KEY 0103

HONR348M **Advanced Honors Seminar; Stock Market**

HONR348M Advanced Honors Seminar: Stock Market; (3 credits) Grade Method: REG.

0101	Eric Wish, David McCandlish Th 2:00pm - 5:00pm	Seats (Total: 20) ANA 0120

HONR349I **Honors Colloquium; Leading and Investing in Social Change: Redefining and Experimenting with Philanthropy**

HONR349I Honors Colloquium: Leading and Investing in Social Change: Redefining and Experimenting with Philanthropy; (3 credits) Grade Method: REG.

0101	Robert Grimm Th 2:00pm - 4:30pm	Seats (Total: 40) TLF 1126

HONR358A **Honors Practicum**
Contact department for information to register for this course.

HONR358B **Honors Practicum**
Contact department for information to register for this course.

HONR358C **Honors Practicum**
Contact department for information to register for this course.

HONR359B **Honors Workshop; Alternatives to Violence**

HONR359B Honors Workshop: Alternatives to Violence; (3 credits) Grade Method: S-F.

0101	Colman McCarthy M 2:30pm - 5:00pm	Seats (Total: 25) ELL 0108

HONR368A **Advanced Honors Seminar; MGA Legislative Seminar**

HONR368A *(PermReq)* **Advanced Honors Seminar: MGA Legislative Seminar; (3 credits)** Grade Method: REG. GenEd: Fundamental Studies - Professional Writing. Also offered as ENGL381. Credit will be granted for only one of the following: ENGL381 or HONR368A.

0101	Thomas Lowderbaugh Tu 3:30pm - 6:00pm	Seats (Total: 30) TWS 0232

HONR378I **Advanced Honors Seminar; Congressional Elections: Campaigning for Congress**

HONR378I Advanced Honors Seminar: Congressional Elections: Campaigning for Congress; (3 credits) Grade Method: REG.

0101	Paul Herrnson	Seats (Total: 20)	
	Tu 3:30pm - 6:00pm	TYD 2102	

HONR378N **Advanced Honors Seminar; Research in Science and Public Policy for the U.S. National Security Agency**

HONR378N Advanced Honors Seminar: Research in Science and Public Policy for the U.S. National Security Agency; (3 credits) Grade Method: REG.

0101	Jordan Goodman	Seats (Total: 20)	
	M 3:00pm - 5:50pm	PHY 1204	

HONR379 **Honors Independent Study**
Contact department for information to register for this course.

HONR379A **Honors Independent Study**
Contact department for information to register for this course.

INAG Institute of Applied Agriculture Fall 2012

INAG100 **Introduction to Plant Science**

INAG100 Introduction to Plant Science; (3 credits) Grade Method: REG/AUD.
Formerly BOTNI-1.

0101	Kenneth Ingram	Seats (Total: 20)	
	MW 9:00am - 9:50am	JUL 1123	
	F 9:00am - 10:50am	JUL 1123	Lab

INAG102 **Business Operations**

INAG102 Business Operations; (3 credits) Grade Method: REG/AUD.
Formerly AGECI-4.

0101	Raymond Gless	Seats (Total: 30)	
	TuTh 11:00am - 12:15pm	JUL 1123	

INAG103 **Agricultural Marketing**

INAG103 Agricultural Marketing; (3 credits) Grade Method: REG/AUD.
Formerly AGECI-7.

0101	Raymond Gless	Seats (Total: 20)
	TuTh 9:30am - 10:45am	JUL 1105

INAG106 **Pesticide Use and Safety**

INAG106 Pesticide Use and Safety; (2 credits) Grade Method: REG/AUD.
Formerly AGROI-11.

0101	Ronald Myers	Seats (Total: 30)
	Class time/details on ELMs	ONLINE

INAG107 **Turfgrass Management**

INAG107 Turfgrass Management; (3 credits) Grade Method: REG/AUD.
Formerly AGROI-2.

0101	Mark Carroll, Justin Mathias	Seats (Total: 16)	
	Tu 4:00pm - 6:00pm	PLS 1119	
	F 1:00pm - 2:50pm	JUL 1111	Lab

INAG110 **Oral Communication**

INAG110 Oral Communication; (3 credits) Grade Method: REG/AUD. GenEd: Fundamental Studies - Oral Communications.
Credit Only Granted For: ARCH403, COMM107, COMM200, HLTH420, INAG110, JOUR130, THET285. A study of how perception, self-concept, verbal and nonverbal communications affect the communication process as it emerges in the work place. The course provides skill training in speech writing, public speaking, group communication, interpersonal communication, listening, and responding.

0101	Anthony Pagnotti	Seats (Total: 22)
	MWF 10:00am - 10:50am	KEB 1200

0201	Anthony Pagnotti MWF 12:00pm - 12:50pm	Seats (Total: 22) KEB 1200
0301	Anthony Pagnotti TuTh 9:30am - 10:45am	Seats (Total: 22) EGR 1104
0401	Nina Latassa TuTh 2:00pm - 3:15pm	Seats (Total: 22) HBK 0108
0501	Nina Latassa MWF 1:00pm - 1:50pm	Seats (Total: 22) EDU 0212
0601	Anthony Pagnotti TuTh 12:30pm - 1:45pm	Seats (Total: 22) HBK 0103
0701	Edward Priola MWF 9:00am - 9:50am	Seats (Total: 22) HBK 0103
0801	Edward Priola MWF 2:00pm - 2:50pm	Seats (Total: 22) HBK 0105
0901	Edward Priola TuTh 9:30am - 10:45am	Seats (Total: 22) HBK 0109
1001	Edward Priola TuTh 12:30pm - 1:45pm	Seats (Total: 22) HBK 0109
1101	Nina Latassa MWF 11:00am - 11:50am	Seats (Total: 22) SYM 0209
1201	Nina Latassa TuTh 12:30pm - 1:45pm	Seats (Total: 22) SYM 0215

INAG111 **Written Communication**

INAG111 Written Communication; (3 credits) Grade Method: REG/AUD.
Formerly COMMI-2.

0101	Glori Hyman MWF 12:00pm - 12:50pm	Seats (Total: 25) JUL 1123

INAG123 **Introduction to Sustainable Agriculture**

INAG123 Introduction to Sustainable Agriculture; (3 credits) Grade Method: REG/P-F/AUD.

An introductory courses that provides an overview of the principles and practices of sustainable agriculture. Students explore the economic, social, and environmental impacts of agriculture, and relate the principles of sustainability to various agricultural production practices and systems.

0101	Ellen Polishuk Tu 6:00pm - 9:00pm	Seats (Total: 20) JUL 1123

INAG199 **Special Problems**

INAG199 Special Problems; (1-3 credits) Grade Method: REG.

0101	Justin Mathias Contact instructor or department for details.	Seats (Total: 10)
0201	Raymond Gless Contact instructor or department for details.	Seats (Total: 10)
0301	Kenneth Ingram Contact instructor or department for details.	Seats (Total: 10)
0401	Roy Walls Contact instructor or department for details.	Seats (Total: 10)
0501	Ellen Polishuk Contact instructor or department for details.	Seats (Total: 10)
0601	Glori Hyman Contact instructor or department for details.	Seats (Total: 10)

INAG201 **Personnel Management**

INAG201 Personnel Management; (3 credits) Grade Method: REG/AUD.

Formerly AGECI-10.

0101	Kenneth Ingram TuTh 12:30pm - 1:45pm	Seats (Total: 30) JUL 1123

INAG203 **Introduction to Finance**

INAG203 Introduction to Finance; (3 credits) Grade Method: REG/AUD.
Formerly AGECI-13.

0101	Raymond Gless	Seats (Total: 30)	
	MWF 12:00pm - 12:50pm	JUL 1111	

INAG218 **Landscape Construction**

INAG218 Landscape Construction; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite or corequisite: PLSC204 or ENBE200.

0101	Roy Walls	Seats (Total: 12)	
	W 1:00pm - 1:50pm	ANS 0504	
	W 2:00pm - 4:40pm	ANS 0504	Lab

INAG226 **Diseases of Ornamentals**

INAG226 Diseases of Ornamentals; (3 credits) Grade Method: REG/AUD.
Formerly HORTI-5.

0101	Justin Mathias	Seats (Total: 25)	
	Tu 9:00am - 9:50am	JUL 1111	
	F 9:00am - 9:50am	JUL 1111	
	Th 4:00pm - 6:00pm	JUL 1111	Lab

INAG231 **Insects of Ornamentals/Turfgrass**

INAG231 Insects of Ornamentals/Turfgrass; (3 credits) Grade Method: REG/AUD.
Formerly ENTMI-2.

0101	Justin Mathias	Seats (Total: 18)	
	MW 9:00am - 9:50am	JUL 1111	
	M 4:00pm - 5:50pm	JUL 1111	Lab

INAG237 **Surveying and Applications in Agriculture**

INAG237 Surveying and Applications in Agriculture; (3 credits) Grade Method: REG/AUD.
Prerequisite or corequisite: INAG101.

0101	Roy Walls	Seats (Total: 10)	
	W 11:00am - 11:50am	ANS 0504	
	F 11:00am - 11:50am	ANS 0504	
	M 10:00am - 11:50am	ANS 0504	Lab

INAG240 **Professional Development**

INAG240 Professional Development; (1 credit) Grade Method: REG.
Prerequisite or corequisite: INAG299A.

0101	Glori Hyman	Seats (Total: 20)	
	M 2:00pm - 3:50pm	JUL 1123	

INAG242 **Golf Course Design and Construction**

INAG242 Golf Course Design and Construction; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Scholarship in Practice.
Prerequisite: INAG107.

0101	Kenneth Ingram	Seats (Total: 25)	
	TuTh 8:00am - 8:50am	JUL 1123	
	W 2:00pm - 3:50pm	JUL 1123	Lab

INAG299A **Supervised Work Experience; Internship I**

INAG299A Supervised Work Experience: Internship I; (1 credit) Grade Method: S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

INAG299B **Supervised Work Experience; Internship II**

INAG299B Supervised Work Experience: Internship II; (1 credit) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

INFM Information Management Fall 2012

INFM600 **Information Environments**

INFM600 Information Environments; (3 credits) Grade Method: REG/AUD.
Role and function of information in organizations. Organizational environment and its influence on internal and external communication, organizational structure and management, organizational culture, information flow, organizational identity. Shared mental models and group decision ma king. Differences among types of organizations. Information policy.

0101	Jessica Vitak	Seats (Total: 30)
	Tu 6:00pm - 8:45pm	HBK 2119

INFM603 **Information Technology and Organizational Context**

INFM603 Information Technology and Organizational Context; (3 credits) Grade Method: REG/AUD.
Restriction: Must not have completed LBSC690. Application of communication and information technologies to support work processes, including technology-enhanced communication networks, computer-supported collaborative work, decision-support systems, interactive systems, and systems analysis. Acquisition of information systems and their integration into the organization.

0101	Jimmy Lin	Seats (Total: 30)
	Th 6:00pm - 8:45pm	HBK 2119

INFM605 **Users and Use Context**

INFM605 Users and Use Context; (3 credits) Grade Method: REG/AUD.
Use of information by individuals. Nature of information. Information behavior and mental models. Characteristics of problems, task analysis, problem solving, and decision making. Methods for determining information behavior and user needs. Information access. Information technology as a tool in information use.

0101	Howard Killam	Seats (Total: 30)
	M 6:00pm - 8:45pm	HBK 1108

INFM612 **Management of Information Programs and Services**

INFM612 Management of Information Programs and Services; (3 credits) Grade Method: REG/AUD.
Administration of information programs, services, and projects, including the role of leadership in management; developing mission, vision, and goals; providing effective management for results; managing professionals; financial management; and professional conduct and ethical issues.

SG01	Taverekere Srikantaiah W 6:00pm - 8:45pm	Seats (Total: 30) BLD3 3206

INFM620 **Introduction to Strategic Information Management**

INFM620 Introduction to Strategic Information Management; (3 credits) Grade Method: REG/AUD.
Defining and identifying strategic information in an organization. Characteristics of strategic information management, including the principles, practices, issues, and programs involved with the strategic management and protection of information in organizations.

SG01	Vikas Sahasrabudhe M 6:00pm - 8:45pm	Seats (Total: 30) BLD3 4226

INFM706 **Project Management**

INFM706 Project Management; (3 credits) Grade Method: REG/AUD.
Prerequisite: INFM600, INFM603, and INFM605; or permission of instructor.
Management of projects through planning and execution of life cycle phases. Includes estimating costs, managing risks, scheduling, staff and resource allocation, team building, communication, tracking, control and other aspects of successful project completion.

0101	Bruce Dearstyne Class time/details on ELMs	Seats (Total: 15) ONLINE
SG01	Bruce Dearstyne Class time/details on ELMs	Seats (Total: 15) ONLINE

INFM714 **Principles of Competitive Intelligence**

INFM714 Principles of Competitive Intelligence; (3 credits) Grade Method: REG/AUD.
Credit only granted for: INFM714 or INFM718W. Formerly: INFM718W. Intelligence process and how to build business advantage by the collection and analysis of the capabilities, vulnerabilities, market positioning and strategic planning of competitors using open source information.

0101	Taverekere Srikantaiah	Seats (Total: 30)
	Tu 2:00pm - 4:45pm	MTH 0401

INFM718V **Selected Topics in Information Management; Organizational and Business Process Modeling**

INFM718V Selected Topics in Information Management: Organizational and Business Process Modeling; (3 credits) Grade Method: REG/AUD.

SG01	Vedat Diker	Seats (Total: 30)
	Tu 6:00pm - 8:45pm	BLD3 4206

INFM719 **Independent Study**

INFM719 Independent Study; (1-3 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

INFM736 **Information Management Team Experience**

INFM736 Information Management Team Experience; (3 credits) Grade Method: S-F.
Corequisite: Concurrently enrolled in INFM737. Restriction: Permission of instructor; and permission of INFO-College of Information Studies. Information issues within organizational frameworks. Integrated, team-based, experiential learning opportunity. This is a group independent study.

0101	Brian Butler	Seats (Total: 20)
	M 6:00pm - 8:45pm	PLS 1176

INFM737 **Solving Problems in Information Management**

INFM737 Solving Problems in Information Management; (3 credits) Grade Method: S-F.
Corequisite: Concurrently enrolled in INFM736. Additional information: Required in student's last semester. In-depth problem analysis and resolution derived from and contributing to INFM 736. Independent study.

0101	Brian Butler M 6:00pm - 8:45pm	Seats (Total: 20) Location: TBA

INFM741 **Social Computing Technologies and Applications**

INFM741 Social Computing Technologies and Applications; (3 credits) Grade Method: REG/AUD.
Prerequisite: INFM603 and INFM605; or permission of instructor. Tools and techniques for developing and configuring social computing applications. Theories and paradigms for social computing. Strengths and limitations of different application styles and types. Evolution of applications as responses to social computing challenges. Information and organizational systems co-development.

SG01	Brian Butler Th 6:00pm - 8:45pm	Seats (Total: 30) BLD3 4206

INFM743 **Development of Internet Applications**

INFM743 Development of Internet Applications; (3 credits) Grade Method: REG/AUD.
Prerequisite: INFM603 or LBSC690; or students who have taken courses with similar or comparable course content may contact the department. Mark up languages and methods for manipulating marked-up content. Techniques for adding interactivity to web pages. Installing and running servers. Server-side applications. Application programming interfaces for third-party content and tools. Extension development.

0101	Nelson Padua-Perez Th 6:00pm - 8:45pm	Seats (Total: 30) HBK 0109

INFM799 **Master's Thesis Research**

INFM799 Master's Thesis Research; (1-6 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

INST Information Studies Fall 2012

INST607 **E-Government: Information, Communication, and Policy**

INST607 E-Government: Information, Communication, and Policy; (3 credits) Grade Method: REG/AUD.
Restriction: Permission of INFO-College of Information Studies. Credit only granted for: INFM718E, INST607, or LBSC708E. Formerly: INFM718E and LBSC708E. Use of the Internet and other technologies by governments to provide information, communication, and services. Social, policy, and technological impacts on access and use, government-citizen interactions, digital divides. Roles of cultural institutions in supporting e-government access. Social media, collaborative, and enterepreneurial uses of e-government. Class will meet on campus on the following dates September 4, September 25, October 16,November 6 and November 27. All other sessions will be held online.

0101	John Bertot	Seats (Total: 25)
	Tu 5:30pm - 8:15pm	HBK 0103

INST610 **Information Ethics**

INST610 Information Ethics; (3 credits) Grade Method: REG/AUD.
Credit only granted for: INFM718Q, INST610, or LBSC708I. Formerly: INFM718Q and LBSC708I. Investigation of the diverse range of ehtical challanges facing society in the information age. Ethical theories, including non-Western and feminist theories. Application of theories to information ethics issues. Restricted to LBSO students only.

ML01	Jessica Koepfler	Seats (Total: 19)
	Class time/details on ELMs	ONLINE

INST630 **Introduction to Programming for Information Professionals**

INST630 Introduction to Programming for Information Professionals; (3 credits)
Grade Method: REG/AUD.
Restriction: Permission of INFO-College of Information Studies. An introduction to computer programming intended for students with no previous programming experience. Topics include fundamentals of programming and current trends in user interface implementation that are relevant to information professionals.

0101	Leah Findlater	Seats (Total: 30)
	M 5:30pm - 8:15pm	HBK 0115

INST631 **Fundamentals of Human-Computer Interaction**

INST631 *(PermReq)* **Fundamentals of Human-Computer Interaction; (3 credits)**
Grade Method: REG/AUD.
Prerequisite: INST630; or permission of instructor. Restriction: Permission of INFO-College of Information Studies. Credit only granted for: INST631 or LBSC795. Formerly: LBSC795. Principles of human-human and machine-machine communication as a basis for models of human-computer communication. Issues related in input/ output devices, conceptual models, levels of control, metaphor and personification, adaptability, and intensionality/extensionality. Restricted to HCIM students only

0101	Jennifer Golbeck	Seats (Total: 20)
	Tu 5:30pm - 8:15pm	HBK 1112

INST632 **Human-Computer Interaction Design Methods**

INST632 Human-Computer Interaction Design Methods; (3 credits) Grade Method: REG/AUD.
Methods of user-centered design, including task analysis, low-tech prototyping, user interviews, usability testing, participatory design, and focus groups. Restricted to HCIM students only.

0101	Tamara Clegg	Seats (Total: 20)
	Th 5:30pm - 8:15pm	HBK 0123

INST728E **Special Topics in Information Studies**

INST728E Special Topics in Information Studies; (1-3 credits) Grade Method: REG/AUD.

0101	Kent Norman Th 2:00pm - 4:30pm	Seats (Total: 20) BPS 1112

INST799 **Master's Thesis Research**

INST799 Master's Thesis Research; (1-6 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

INST800 **The Engaged Intellectual: An Introduction to Research and Academic Work**

INST800 The Engaged Intellectual: An Introduction to Research and Academic Work; (3 credits) Grade Method: REG/AUD.
Restriction: Permission of INFO-College of Information Studies. An introduction to the academic life with a particular focus on what it means to undertake research, teaching, and service. Restricted to Doctoral Students.

0101	June Ahn W 10:00am - 12:45pm	Seats (Total: 20) HBK 4113

INST888 **Doctoral Seminar**

INST888 Doctoral Seminar; (3 credits) Grade Method: REG/AUD.

0101	Ping Wang Th 2:00pm - 4:45pm	Seats (Total: 15) HBK 4115

INST898 **Pre-Candidacy Research**

INST898 *(PermReq)* **Pre-Candidacy Research; (1-8 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

INST899 **Doctoral Dissertation Research**

INST899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ISRL Israel Studies Fall 2012

ISRL289I **The Israeli/Palestinian Conflict: Fundamental Questions**

ISRL289I The Israeli/Palestinian Conflict: Fundamental Questions; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. GenEd: Distributive Studies - History and Social Sciences; Signature Courses - I-Series.

0101	Paul Scham MW 11:00am - 11:50am W 1:00pm - 1:50pm	Seats (Total: 20) KEY 0102 LEF 1221	Discussion
0102	Paul Scham MW 11:00am - 11:50am W 3:00pm - 3:50pm	Seats (Total: 20) KEY 0102 HZF 0142	Discussion
0103	Paul Scham MW 11:00am - 11:50am Th 3:00pm - 3:50pm	Seats (Total: 20) KEY 0102 LEF 1221	Discussion
0104	Paul Scham MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 20) KEY 0102 LEF 1220	Discussion

ISRL342 **History of Zionism and the State of Israel**

ISRL342 History of Zionism and the State of Israel; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as: HIST376. Credit only granted for: HIST376, ISRL342, or JWST342. Formerly: JWST342. Ideological and political factors leading to the establishment of a secular Jewish state in 1948; Zionist thought of Herzl, Ahad Ha-am, the socialist and religious Zionists, and the revisionists; diplomatic activities; Arab-Israel conflict; post-1948 Israeli society.

0101	Yoram Peri MW 3:30pm - 4:45pm	Seats (Total: 60) KEY 1117	

ISRL349C **Investigating Topics in Israel Studies; Israel: A Society of Migration and Immigrants**

ISRL349C Investigating Topics in Israel Studies: Israel: A Society of Migration and Immigrants; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as SOCY398E. Examines historical and current patterns of migration to Israel and compares them with other waves of immigration to the US and to Europe. We will also review migration theories and the history of mass population movements, and analyze factors such as ideology, politics and economics.

0101	Pnina Peri	Seats (Total: 40)
	MW 3:30pm - 4:45pm	HBK 0115

ISRL349E **Investigating Topics in Israel Studies; The Israeli Economy**

ISRL349E Investigating Topics in Israel Studies: The Israeli Economy; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as ECON398G. Exploration of the main economic processes which shape the Israeli economy. The course examines differences between the Israeli and US economies, particularly the high-tech sector and its huge expansion in recent decades, as well as the Israeli economy's history and evolution.

0101	Yaniv Reingewertz	Seats (Total: 40)
	TuTh 12:30pm - 1:45pm	SPH 0308

ISRL349F **Investigating Topics in Israel Studies; Representations of Israel in Women's Art, Film and Literature**

ISRL349F Investigating Topics in Israel Studies: Representations of Israel in Women's Art, Film and Literature; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as WMST498E. An examination of women as they are reflected in art, film and literature created in Israel since the beginning of the twentieth century.

0101	Pnina Peri	Seats (Total: 40)
	MW 2:00pm - 3:15pm	HBK 0115

ISRL349R **Investigating Topics in Israel Studies; Religion and Politics in the State of Israel**

ISRL349R Investigating Topics in Israel Studies: Religion and Politics in the State of Israel; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as GVPT378R and JWST319F. Covers the interplay between religion and politics in Israel and its effects on Israeli culture and on domestic and foreign politics. The course situates the resultant tensions within the broader Middle Eastern and global context that pit religion against modernity.

0101	Joseph Ringel	Seats (Total: 40)
	TuTh 9:30am - 10:45am	TYD 2109

ISRL448G **Seminar in Israel Studies; The Sephardic/Mizrahi Experience in Israel**

ISRL448G Seminar in Israel Studies: The Sephardic/Mizrahi Experience in Israel; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as JWST319D. Covers the relationship between and among Sephardic/Mizrahi Jews and the greater pre-State Zionist and post-State Israeli socioeconomic and political culture and ideology. The course puts this in the context of global questions that reflect comparative approaches to the challenge of integrating minority ethnic groups.

0101	Joseph Ringel	Seats (Total: 25)
	TuTh 12:30pm - 1:45pm	KEY 0121

ISRL449K **Advanced Topics in Israel Studies; Critical Issues in Israeli Cinema**

ISRL449K Advanced Topics in Israel Studies: Critical Issues in Israeli Cinema; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as FILM430, HEBR498C or JWST429J. Credit will be granted for only one of the following: ISRL449K, JWST429J, and HEBR498C. Taught in English.

0101	Eric Zakim	Seats (Total: 30)
	TuTh 2:00pm - 3:15pm	PLS 1117

ITAL Italian Fall 2012

ITAL103 **Intensive Elementary Italian**

ITAL103 Intensive Elementary Italian; (4 credits) Grade Method: REG/P-F/AUD. *Prerequisite: Must have appropriate Foreign Language Placement Test (FLPT) score. Restriction: Not open to fluent/native speakers of Italian. Credit only granted for: ITAL103 or ITAL121.* Covers speaking, reading, writing, listening, and culture of Italian-speaking world.

0101	Federica Deigan TuTh 9:30am - 10:45am W 10:00am - 10:50am	Seats (Total: 25) JMZ 0205 PLS 1158
0201	Federica Deigan TuTh 11:00am - 12:15pm W 11:00am - 11:50am	Seats (Total: 25) JMZ 0205 PLS 1158
0301	Margherita Morando MWF 10:00am - 10:50am Tu 10:00am - 10:50am	Seats (Total: 25) HBK 0108 HBK 1108
0401	Maria Fleri MTuWF 11:00am - 11:50am	Seats (Total: 25) HBK 1108

ITAL121 **Accelerated Italian I**

ITAL121 Accelerated Italian I; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: Must have appropriate Foreign Language Placement Test (FLPT) score. Credit only granted for: ITAL103 or ITAL121.* An intensive beginning course in Italian language skills: guided practice in reading, writing, understanding and conversation, to enable the student to move more quickly to advanced courses. Restricted to students already having a good background in at least one other foreign language. When taken with ITAL122, may be used to satisfy language requirement. Also offered as ITAL 121H.

0101	Stefania Amodeo MWF 9:00am - 9:50am	Seats (Total: 25) JMZ 2122

ITAL121H **Accelerated Italian I**

ITAL121H Accelerated Italian I; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Must have appropriate Foreign Language Placement Test (FLPT) score. Credit only granted for: ITAL103 or ITAL121. An intensive beginning course in Italian language skills: guided practice in reading, writing, understanding and conversation, to enable the student to move more quickly to advanced courses. Restricted to students already having a good background in at least one other foreign language. When taken with ITAL122, may be used to satisfy language requirement. For general honors students only. Also offered as ITAL 121.

0101	Stefania Amodeo	Seats (Total: 25)	
	MWF 9:00am - 9:50am	JMZ 2122	

ITAL122 **Accelerated Italian II**
Contact department for information to register for this course.

ITAL169C **Special Topics in Study Abroad I; Italian Conversation**
Contact department for information to register for this course.

ITAL169E **Special Topics in Study Abroad I; Elementary Italian I**
Contact department for information to register for this course.

ITAL169R **Special Topics in Study Abroad I; Introduction to Italian Language and Culture**
Contact department for information to register for this course.

ITAL203 **Intensive Intermediate Italian**

ITAL203 Intensive Intermediate Italian; (4 credits) Grade Method: REG/P-F/AUD.
CORE Humanities (HO) Course.
Prerequisite: ITAL103; or Must have appropriate Foreign Language Placement Test (FLPT) score. Restriction: Must not have completed ITAL122; and Must not be a fluent/native speaker of Italian. Credit only granted for: ITAL203 or ITAL122. Covers speaking, reading, writing, listening, and culture of Italian-speaking world.

0101	Federica Deigan	Seats (Total: 25)	
	TuTh 12:30pm - 1:45pm	JMZ 0205	
	W 12:00pm - 12:50pm	PLS 1146	Discussion

0201	Maria Fleri MWF 1:00pm - 1:50pm Tu 1:00pm - 1:50pm	Seats (Total: 25) JMZ 2206 PLS 1119

ITAL204 **Review Grammar and Composition**

ITAL204 Review Grammar and Composition; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
Prerequisite: ITAL203 or ITAL122; or Must have appropriate Foreign Language Placement Test (FLPT) score. An intensive review of major aspects of contemporary grammatical usage; training in comprehension; an introduction to guided composition.

0101	Margherita Morando MWF 11:00am - 11:50am	Seats (Total: 25) HBK 0108

ITAL207 **Reading and Writing in Italian**

ITAL207 Reading and Writing in Italian; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ITAL204; or students who have taken courses with similar or comparable course content may contact the department. Restriction: Must not be a fluent/native speaker of Italian. Culture-based, process approach to reading and writing in Italian; selected grammatical topics.

0101	Margherita Morando MF 1:00pm - 1:50pm W 1:00pm - 1:50pm	Seats (Total: 25) HBK 1108 HBK 0103

ITAL211 **Intermediate Conversation**

ITAL211 Intermediate Conversation; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
Prerequisite: ITAL203; or permission of ARHU-School of Languages, Literatures, and Cultures department. Restriction: Must not be a fluent/native speaker of Italian.
Practice in spoken Italian based on reading and listening exercises in a variety of genres. Written assignments and exams.

0101	Stefania Amodeo MWF 10:00am - 10:50am	Seats (Total: 20) JMZ 2122

ITAL269I **Special Topics in Study Abroad II; Intensive Intermediate Italian I**
Contact department for information to register for this course.

ITAL269R **Special Topics in Study Abroad II; Elementary Italian I**
Contact department for information to register for this course.

ITAL301 **Italian Composition**

ITAL301 Italian Composition; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ITAL207; or students who have taken courses with similar or comparable course content may contact the department. Techniques of composition; grammatical analysis; various genres; vocabulary.

0101	Margherita Morando	Seats (Total: 20)
	MWF 12:00pm - 12:50pm	HBK 1108

ITAL306 **Commercial Italian I**
Contact department for information to register for this course.

ITAL361 **Survey of Italian Society and Culture: From Fascism to the Seventies**

ITAL361 Survey of Italian Society and Culture: From Fascism to the Seventies; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ITAL207. Development of Italian society and culture from Fascism to the 1970s. Literature, cinema, economy, popular culture, and daily life. Taught in Italian.

0101	Stefania Amodeo	Seats (Total: 20)
	MWF 1:00pm - 1:50pm	JMZ 1117

ITAL369W **Special Topics in Study Abroad III; Composition and Style**
Contact department for information to register for this course.

ITAL386 **Experiential Learning**

ITAL386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: Must have a Learning Proposal approved by the Office of Experiential Learning Programs, faculty sponsor, and student's internship sponsor. Restriction: Junior standing or higher.

Contact department for information to register for this course.

ITAL399 **Directed Study in Italian**

ITAL399 *(PermReq)* **Directed Study in Italian; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ITAL399G **Directed Study in Italian; Commedia dell'Arte in History and Performance**

ITAL399G Directed Study in Italian: Commedia dell'Arte in History and Performance; (3 credits) Grade Method: REG/P-F/AUD.

0101	Matthew Wilson	Seats (Total: 20)
	M 3:00pm - 5:50pm	PAC 1809

ITAL411 **Dante in Translation**
Contact department for information to register for this course.

ITAL421 **The Italian Renaissance**

ITAL421 The Italian Renaissance; (3 credits) Grade Method: REG/P-F/AUD.
Credit only granted for: ITAL421 or ITAL422. A study of major trends of thought in Renaissance literature, art, and science. Taught in English.

0101	Joseph Falvo	Seats (Total: 25)
	MWF 12:00pm - 12:50pm	JMZ 0205

ITAL431 **Italian Civilization in Translation**
Contact department for information to register for this course.

ITAL471 **Italian Cinema: A Cultural Approach in Translation**

ITAL471 Italian Cinema: A Cultural Approach in Translation; (3 credits) Grade Method: REG/P-F/AUD.
Credit only granted for: ITAL471 or ITAL472. Formerly: ITAL475. The culture of Italy through the medium of film from the silent days up to the present. Taught in English.

0101	Joseph Falvo MW 2:00pm - 3:15pm	Seats (Total: 25) JMZ 2123

ITAL478F **Colloquium in Italian; Cinema**

ITAL478F Colloquium in Italian: Cinema; (1 credit) Grade Method: REG/P-F/AUD.

0101	Joseph Falvo W 3:30pm - 4:20pm	Seats (Total: 10) JMZ 2123

ITAL478R **Colloquium in Italian; Italian Renaissance**

ITAL478R Colloquium in Italian: Italian Renaissance; (1 credit) Grade Method: REG/P-F/AUD.

0101	Joseph Falvo W 10:00am - 10:50am	Seats (Total: 10) Location: TBA

ITAL497 **Senior Project**

ITAL497 Senior Project; (3 credits) Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: 4 courses from ITAL400-499 course range; or permission of ARHU-School of Languages, Literatures, and Cultures department. Individual independent study of an aspect of Italian literature, culture or society selected according to student interest and need in consultation with a member of the Italian program.

Contact department for information to register for this course.

ITAL499 **Special Topics in Italian Studies**

ITAL499 *(PermReq)* **Special Topics in Italian Studies; (3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ITAL499T **Special Topics in Italian Studies; Italian Cities: History through Urban Form**
Contact department for information to register for this course.

ITAL499V **Special Topics in Italian Studies; Italian Comedy on Stage and Screen**
Contact department for information to register for this course.

JAPN Japanese Fall 2012

JAPN101 **Elementary Japanese I**

Students with previous knowledge of Japanese who have not yet enrolled in a Japanese language course at UMCP must contact the Japanese program for a placement test prior to the first day of classes.
JAPN101 Elementary Japanese I; (6 credits) Grade Method: REG.
Introduction to basic patterns of contemporary spoken Japanese and to the two phonetic syllabaries (Katakana and Hiragana). This course has been put on a timed release system. Seats will be opened gradually by the registrar's office, to a total of 15 seats per section.

0101	Kumiko Akikawa MWF 9:00am - 9:50am TuTh 9:30am - 10:45am	Seats (Total: 15) JMZ 3205 JMZ 2120
0201	Carlos Pimentel MWF 9:00am - 9:50am TuTh 9:30am - 10:45am	Seats (Total: 15) JMZ 2123 JMZ 1124
0301	Carlos Pimentel MWF 10:00am - 10:50am TuTh 11:00am - 12:15pm	Seats (Total: 15) JMZ 1120 JMZ 2122
0401	Etsuko Yamakita MWF 11:00am - 11:50am TuTh 11:00am - 12:15pm	Seats (Total: 15) JMZ 2117 JMZ 1124
0501	Kumiko Akikawa MWF 12:00pm - 12:50pm TuTh 11:00am - 12:15pm	Seats (Total: 15) JMZ 2120 JMZ 0118

JAPN201 **Intermediate Japanese I**

JAPN201 Intermediate Japanese I; (6 credits) Grade Method: REG. CORE Humanities (HO) Course.
Prerequisite: Minimum grade of C- in JAPN102; or permission of instructor.
Contemporary spoken and written Japanese.

0101	Etsuko Yamakita MWF 9:00am - 10:50am	Seats (Total: 15) JMZ 1123
0201	Makiko Inoue MWF 9:00am - 10:50am	Seats (Total: 15) JMZ 3203
0301	Makiko Inoue MWF 11:00am - 12:50pm	Seats (Total: 15) JMZ 3203

JAPN301 **Advanced Japanese I**

JAPN301 Advanced Japanese I; (6 credits) Grade Method: REG.
Prerequisite: Minimum grade of C- in JAPN202; or permission of instructor. Advanced conversation, oral comprehension, and selected readings.

0101	Eiko Miura MWF 9:00am - 10:50am	Seats (Total: 15) JMZ 1103
0201	Eiko Miura MWF 11:00am - 12:50pm	Seats (Total: 15) JMZ 1103

JAPN311 **Traditional Japanese Language and Culture**

JAPN311 Traditional Japanese Language and Culture; (3 credits) Grade Method: REG/P-F/AUD.
Introduction to classical Japanese language (kobun) through representative texts and genres from the literary traditions of the Heian period (794-1185) to the Early Modern period (1600-1868). Prerequisite: a grade of C- or better in JAPN 202 or permission of instructor.

0101	Satoko Naito TuTh 11:00am - 12:15pm	Seats (Total: 15) JMZ 3203

JAPN314 **Edo Text and Context: Origins of Japanese Popular Culture**

JAPN314 Edo Text and Context: Origins of Japanese Popular Culture; (3 credits) Grade Method: REG/P-F/AUD.
Intensive reading of various genres of literary and historical texts fro m the early modern (Edo/Tokugawa) period, read in English Translation. Taught in English.

0101	Satoko Naito	Seats (Total: 30)
	TuTh 3:30pm - 4:45pm	JMZ 2122

JAPN315 **Reading Japanese Empire**

JAPN315 Reading Japanese Empire; (3 credits) Grade Method: REG/P-F/AUD.
Reading a wide variety of cultural, intellectual, and official texts, this course explores how Japan's age of empire (1869-1945) was understood, imagined, and lived in various colonial contexts and in the metropolitan center. Students will gain a textured understanding of the complexities and contradictions of Japan's imperial project and the fraught ways this history plays out today in Japan and Asia. Taught in English.

0101	Michele Mason	Seats (Total: 30)
	TuTh 2:00pm - 3:15pm	PLS 1113

JAPN386 **Experiential Learning**

JAPN386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F.
Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: Must have a Learning Proposal approved by the Office of Experiential Learning Programs, faculty sponsor, and student's internship sponsor. Restriction: Junior standing or higher.

Contact department for information to register for this course.

JAPN402 **Readings in Japanese Cultural Studies**

JAPN402 Readings in Japanese Cultural Studies; (3 credits) Grade Method: REG.
Prerequisite: Minimum grade of C- in JAPN302; or permission of instructor.
Development of advanced reading, vocabulary, grammar, and translation skills through selected readings in Japanese drawn from the fields of history, social sciences, cultural studies, film studies, and popular culture.

0101	Michele Mason TuTh 9:30am - 10:45am	Seats (Total: 15) JMZ 2207

JAPN499 **Directed Study in Japanese**

JAPN499 *(PermReq)* **Directed Study in Japanese; (1-3 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

JOUR Journalism Fall 2012

JOUR106 **Introduction to Studio Production**

JOUR106 Introduction to Studio Production; (1 credit) Grade Method: REG/P-F/AUD.
Additional information: Course does not count toward a Journalism degree. Students will participate in various production roles to assist inthe production of UMTV shows.

0101	Manny Fantis **Meets August 29, 2012 - October 19, 2012** M 5:00pm - 6:40pm	Seats (Total: 14) TWS 0117
0201	Manny Fantis **Meets October 22, 2012 - December 11, 2012** M 5:00pm - 6:40pm	Seats (Total: 14) TWS 0117

JOUR130 **Self-Presentation in the Age of YouTube**

JOUR130 Self-Presentation in the Age of YouTube; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Fundamental Studies - Oral Communications.
Credit only granted for: ARCH403, COMM107, COMM200, ENES143, HLTH420, INAG110, JOUR130 or THET285. Additional information: May not count toward the Journalism major. Students, as they make use of evolving technologies, need to be able to present themselves effectively in front of any number of different audiences through any number of different outlets. Whether in an interview on radio, a guest presentation at a conference, in comments on a video blog, in commentary on TV, in the lead on a self-produced YouTube video, or as spokesperson in front of investors or management, professionals need strong oral communication skills. This class focuses on strengthening those skills through active individual and group presentations, as well as, through discussion of key techniques and group critique of presentation publicly available in the social media space on sites such as YouTube. Restricted to New Freshman only.

0101	Kelly Stepno MW 9:30am - 10:45am	Seats (Total: 20) KNI 1105
FC01	Renee Poussaint TuTh 3:30pm - 4:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 19) KNI 1103

JOUR150 **Introduction to Mass Communication**

JOUR150 Introduction to Mass Communication; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. GenEd: Distributive Studies - Scholarship in Practice.
Restriction: Not open to students who have completed JOUR100 prior to Fall 1999. Survey of the functions and effects of the mass media in the United States. A consumer's introduction to newspapers, television, radio, film, sound recording, books, magazines, and new media technology.
The following section (BL01) is part of the Fall 2012 Blended Iniative.

BL01	Ronald Yaros TuTh 12:30pm - 1:45pm Class time/details on ELMs *This class meets in person once a week; the other class work is done online.*	Seats (Total: 60) KNI 1208 ONLINE

JOUR175 **Media Literacy**

JOUR175 Media Literacy; (3 credits) Grade Method: REG/P-F/AUD. CORE Interdisciplinary & Emerging Issues (IE) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - Scholarship in Practice; Diversity - Understanding Plural Societies.

Additional information: Not applicable toward journalism major. An analysis of the information, values and underlying messages conveyed via television, newspapers, the internet, magazines, radio and film. Examines the accuracy of those messages and explores how media shape views of politics, culture and society.

0101	Susan Moeller Tu 2:00pm - 3:15pm Th 2:00pm - 3:15pm	Seats (Total: 25) KEY 0106 ASY 3203	Discussion
0201	Susan Moeller Tu 2:00pm - 3:15pm Th 2:00pm - 3:15pm	Seats (Total: 25) KEY 0106 TLF 1101	Discussion
0301	Susan Moeller Tu 2:00pm - 3:15pm Th 2:00pm - 3:15pm	Seats (Total: 25) KEY 0106 WDS 1114	Discussion
0401	Susan Moeller Tu 2:00pm - 3:15pm Th 12:30pm - 1:45pm	Seats (Total: 25) KEY 0106 PLS 1115	Discussion
0501	Susan Moeller Tu 2:00pm - 3:15pm Th 12:30pm - 1:45pm	Seats (Total: 25) KEY 0106 HJP 1125	Discussion
0601	Susan Moeller Tu 2:00pm - 3:15pm Th 12:30pm - 1:45pm	Seats (Total: 25) KEY 0106 EGR 0110	Discussion
0701	Susan Moeller Tu 2:00pm - 3:15pm F 12:30pm - 1:45pm	Seats (Total: 25) KEY 0106 PLS 1146	Discussion
0801	Susan Moeller Tu 2:00pm - 3:15pm F 12:30pm - 1:45pm	Seats (Total: 25) KEY 0106 PLS 1115	Discussion

JOUR181 **Grammar for Journalists**

JOUR181 *(PermReq)* **Grammar for Journalists; (1 credit)** Grade Method: REG/P-F/AUD.

Credit only granted for: ENGL181, ENGL281, or JOUR181. An examination of the basic structure of written English needed for precise journalistic writing. Parts of speech, sentence patterns, standard punctuation, diction, and usage will be examined with an emphasis on its application in journalism.

0101	Linda Coleman Tu 3:30pm - 4:30pm	Seats (Total: 65) KEY 0106
FC01	Nabila Hijazi F 11:00am - 11:50am *Restricted to students in Freshman Connection.*	Seats (Total: 30) KNI 3202

JOUR181U **Grammar for Journalists**

JOUR181U *(PermReq)* **Grammar for Journalists; (1 credit)** Grade Method: REG/P-F/AUD.

Credit only granted for: ENGL181, ENGL281, or JOUR181. An examination of the basic structure of written English needed for precise journalistic writing. Parts of speech, sentence patterns, standard punctuation, diction, and usage will be examined with an emphasis on its application in journalism.

0101	Linda Coleman Tu 3:30pm - 4:30pm	Seats (Total: 0) KEY 0106

JOUR199 **Survey Apprenticeship**

JOUR199 *(PermReq)* **Survey Apprenticeship; (1 credit)** Grade Method: S-F.

0101	Christine Harvey Contact instructor or department for details.	Seats (Total: 40)

JOUR200 **Journalism History, Roles and Structures**

JOUR200 *(PermReq)* **Journalism History, Roles and Structures; (3 credits)** Grade Method: REG/P-F/AUD.
Introduction to the study of journalism from the standpoint of media history and sociology. Non-journalism majors should contact the College of Journalism at (301) 405-2399 for permission to register.

0401	Tamara Cooke Henry MW 9:30am - 10:45am	Seats (Total: 34) KNI 1208
0501	Elia Powers MW 11:00am - 12:15pm	Seats (Total: 30) KNI 1103
FC01	Tamara Cooke Henry TuTh 6:30pm - 7:45pm *Restricted to students in Freshman Connection.*	Seats (Total: 30) KNI 1105

JOUR200U **Journalism History, Roles and Structures**

JOUR200U *(PermReq)* **Journalism History, Roles and Structures; (3 credits)** Grade Method: REG/P-F/AUD.
Introduction to the study of journalism from the standpoint of media history and sociology. Also intended for students planning on pursuing a Journalism major. Non - journalism majors should contact the College of Journalism at (301)405- 2399 for permission to register

0101	Carl Stepp TuTh 11:00am - 12:15pm	Seats (Total: 0) KNI 1105
0201	Soo-Kwang Oh TuTh 2:00pm - 3:15pm	Seats (Total: 0) KNI 3202
0301	Sarah Oates TuTh 11:00am - 12:15pm	Seats (Total: 0) KNI 3202
0601	Raymond McCaffrey MW 4:00pm - 5:15pm	Seats (Total: 0) KNI 3202

JOUR201 **News Writing and Reporting I**

JOUR201 *(PermReq)* **News Writing and Reporting I; (3 credits)** Grade Method: REG.
Prerequisite: Minimum grade of C- in ENGL101, JOUR181, and JOUR200; and permission of JOUR-Philip Merrill College of Journalism. Restriction: For students intending to be journalism majors; and permission of JOUR-Philip Merrill College of Journalism. Introduction to news for the print and electronic media, development of new concepts: laboratory in news-gathering tools and writing skills. Students who earned 80% or higher on the JOUR181 diagnostic are exempt from the JOUR181 prerequisite. For students intending to be journalism majors.

0101	Jennifer Dorroh TuTh 12:00pm - 1:50pm	Seats (Total: 18) KNI 2105
0201	Tamara Cooke Henry TuTh 2:00pm - 3:50pm	Seats (Total: 18) KNI 2107
0401	Elaine Povich MW 12:00pm - 1:50pm	Seats (Total: 18) KNI 2107
0501	Daniel Jacobs MW 8:00am - 9:50am	Seats (Total: 18) KNI 1101
0601	Kelly Brewington MW 7:00pm - 8:50pm	Seats (Total: 18) KNI 2103

JOUR202 **News Editing**

JOUR202 *(PermReq)* **News Editing; (3 credits)** Grade Method: REG.
Prerequisite: Completed or be concurrently enrolled in JOUR203. Restriction: Must be in a major in JOUR-Philip Merrill College of Journalism. Copy editing, graphic principles and processes, new media technology. JOUR203 is a pre- or corequisite.

0101	Robert Grover MW 10:00am - 11:50am	Seats (Total: 18) KNI 2103
0201	Jay Goldman TuTh 7:00pm - 8:50pm	Seats (Total: 18) KNI 2103
0301	Diana Huffman TuTh 10:00am - 11:50am	Seats (Total: 18) KNI 2105

JOUR203 **Introduction to Multimedia Skills**

JOUR203 *(PermReq)* **Introduction to Multimedia Skills; (3 credits)** Grade Method: REG.
Prerequisite: JOUR201. Restriction: Must be in a major in JOUR-Philip Merrill College of Journalism. Credit only granted for: JOUR203 or JOUR328G. Formerly: JOUR328G. Examining the basics of producing and editing digital photos, video, and audio. Topics inlcude: framing, lighting, and other aspects of composition; sequencing, using wide, medium, and tight shots; and ethical considerations when collecting sound and visuals.

0101	Bethany Swain F 10:00am - 12:45pm	Seats (Total: 18) KNI 2105
0201	Timothy Jacobsen F 10:00am - 12:45pm	Seats (Total: 18) KNI 2107
0301	Karin Zeitvogel W 5:00pm - 7:45pm	Seats (Total: 18) KNI 1101
0401	Jonathan Sham M 7:00pm - 9:45pm	Seats (Total: 18) KNI 1101
0501	Jeffrey Young F 9:00am - 11:45am	Seats (Total: 18) KNI 1101
0601	Sarah Pastrana W 4:00pm - 6:45pm	Seats (Total: 18) KNI 2107
0701	Timothy Jacobsen, Barry Gordemer F 1:00pm - 3:45pm	Seats (Total: 18) KNI 2107

JOUR240 **Advertising in America**

JOUR240 Advertising in America; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. GenEd: Distributive Studies - History and Social Sciences.
Credit only granted for: JOUR240 or JOUR340. Formerly: JOUR340. Survey of the history, regulation and organization of advertising; advertising strategies and effects.

0101	Eric Zanot TuTh 9:30am - 10:45am	Seats (Total: 25) KNI 1105

JOUR262 **Broadcast Studio and Field Production**

JOUR262 *(PermReq)* **Broadcast Studio and Field Production; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: JOUR203. Also offered as: JOUR503. Credit only granted for: JOUR262 or JOUR503. This skills based course is designed to introduce students to the production and content standards of professional video production for the broadcast and Internet news. Prerequisite: JOUR203.

0101	Albert Calogero MW 7:30pm - 9:20pm	Seats (Total: 14) KNI 3210
0201	Allison Frick TuTh 7:00pm - 8:50pm	Seats (Total: 14) KNI 3210
0301	Joel McDonald MW 8:00am - 9:50am	Seats (Total: 14) KNI 3210

JOUR289I **Information 3.0: Exploring Technological Tools**

JOUR289I Information 3.0: Exploring Technological Tools; (3 credits) Grade Method: REG/P-F/AUD. CORE Interdisciplinary & Emerging Issues (IE) Course. GenEd: Distributive Studies - Scholarship in Practice; Signature Courses - I-Series. This innovative course blends face-to-face and virtual meetings with state-of-the art technology that includes mobile devices, a custom course app, and social media to address the overwhelming amounts of information from an increasing number of technologies. Instead of traditional written exams assignments, students learn and apply new ways to seek, select, share & learn from digital media. Students combine text and tweets with audio and video to address the sociological and psychological benefits and consequences of emerging technologies in school, work, and play.

0101	Ronald Yaros MW 12:30pm - 1:45pm	Seats (Total: 60) KNI 1208

JOUR289J **Probing War: Investigative Narratives and American Conflicts**

JOUR289J Probing War: Investigative Narratives and American Conflicts; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course. GenEd: Distributive Studies - Humanities; Signature Courses - I-Series.

0101	William Beecher, Deborah Nelson, Christopher Hanson MW 11:00am - 12:15pm	Seats (Total: 70) KNI 1208

JOUR300 **Journalism Ethics**

JOUR300 *(PermReq)* **Journalism Ethics; (3 credits)** Grade Method: REG. *Prerequisite: JOUR201. Restriction: Must be in a major in JOUR-Philip Merrill College of Journalism.* Examination of ethical problems in news writing and reporting.

0101	Christopher Hanson TuTh 5:00pm - 6:15pm	Seats (Total: 30) KNI 1105
0201	Raymond McCaffrey TuTh 9:30am - 10:45am	Seats (Total: 34) KNI 3202
0301	Carl Stepp TuTh 2:00pm - 3:15pm	Seats (Total: 30) KNI 1103

JOUR320 **News Writing and Reporting II: Print**

JOUR320 *(PermReq)* **News Writing and Reporting II: Print; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: Minimum grade of C- in JOUR201. Restriction: Must be in a major in JOUR-Philip Merrill College of Journalism. Principles and practices of news reporting; covering news beats and other news sources, including researching news stories for accuracy, comprehensiveness and interpretation. Due to rigorous publication requirement, plan your schedule accordingly. Due to rigorous publication requirement, plan your schedule accordingly.

0101	David Lightman MW 8:00am - 9:50am	Seats (Total: 18) KNI 2105
0201	Steven Overly TuTh 7:00pm - 8:50pm	Seats (Total: 18) KNI 2107

0301	Thomas Linthicum MW 7:00pm - 8:50pm	Seats (Total: 18) KNI 2107
0401	Rob Wells TuTh 8:00am - 9:50am	Seats (Total: 18) KNI 2103

JOUR324 **Commentary and Editorial Writing**

JOUR324 *(PermReq)* **Commentary and Editorial Writing; (3 credits)** Grade Method: REG.
Prerequisite: JOUR320 or JOUR360. Formerly: JOUR326. Journalistic interpretation and analysis; commentary and editorial writing.

0101	William Beecher TuTh 2:00pm - 3:15pm	Seats (Total: 18) KNI 1206

JOUR325 **Capital News Service Bureau**

JOUR325 *(PermReq)* **Capital News Service Bureau; (6 credits)** Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Scholarship in Practice.
Prerequisite: JOUR320; and permission of JOUR-Philip Merrill College of Journalism. Advanced journalism training. Students report as part of College's Capital News Service program. Also offered as JOUR 625. Contact Caryn Taylor to obtain permission.

0101	Adrianne Flynn Contact instructor or department for details. *This section meets in the National Press Building, Washington, DC.*	Seats (Total: 9)
0201	Rafael Lorente Contact instructor or department for details. *This section meets in the CNS Bureau, Annapolis, MD.*	Seats (Total: 9)

JOUR327 **Urban Affairs Reporting**

JOUR327 *(PermReq)* **Urban Affairs Reporting; (3 credits)** Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Scholarship in Practice.
Prerequisite: JOUR320; and permission of instructor. Also offered as: JOUR627. Credit only granted for: JOUR327 or JOUR627. Students are immersed in coverage of issues affecting cities, working on a semester-long multi-platform reporting project based in Baltimore. Students will use Baltimore as a working laboratory to report on urban issues. Course meets in Baltimore.

0101	Sandra Banisky M 1:00pm - 3:45pm	Seats (Total: 7) Location: TBA

JOUR328B **Special Topics in News Writing and Reporting; Sports Reporting and Writing**

JOUR328B *(PermReq)* **Special Topics in News Writing and Reporting: Sports Reporting and Writing; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: JOUR 320. Contact department to obtain permission.

0101	George Solomon W 12:00pm - 2:45pm	Seats (Total: 13) KNI 1206

JOUR328J **Special Topics in News Writing and Reporting; Journalism about Children, Youth, and Families**

JOUR328J *(PermReq)* **Special Topics in News Writing and Reporting: Journalism about Children, Youth, and Families; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: JOUR320 or permission of the instructor. This course focuses on stories that can change lives. A quarter of the U.S. population is under the age of 18. What is it like to grow up (or be a parent) in America today? This class will introduce students to best practices in reporting on a range of complex family issues. Students will engage in research and creative content projects for the Journalism Center on Children and Families, while working with the director of the Center.

0101	Julie Drizin TuTh 12:15pm - 1:30pm	Seats (Total: 18) KNI 1206

JOUR328M **Special Topics in News Writing and Reporting; Magazine Journalism**

JOUR328M *(PermReq)* **Special Topics in News Writing and Reporting: Magazine Journalism; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: JOUR320.

0101	Sarah Schaffer Tu 5:00pm - 7:45pm	Seats (Total: 18) KNI 2105

JOUR328R **Special Topics in News Writing and Reporting; Business Reporting**

JOUR328R *(PermReq)* **Special Topics in News Writing and Reporting: Business Reporting; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: JOUR320 and permission of department.

0101	Robert Matthews W 6:00pm - 8:45pm	Seats (Total: 15) KNI 3200

JOUR337 **Patch U:Hyper-Local News Production**

JOUR337 *(PermReq)* **Patch U:Hyper-Local News Production; (3 credits)** Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Scholarship in Practice.
Prerequisite: JOUR320 or JOUR360; and JOUR352; and permission of instructor. Also offered as: JOUR665. Credit only granted for: JOUR 389P, JOUR 337 or JOUR665. Formerly: JOUR 389P. The Patch U class is a course on hyperlocal reporting. Student are assigned to specific Patch sites and work with the local editors to cover government, education and community news and write short features.

0101	Sonia Dasgupta W 1:00pm - 4:00pm	Seats (Total: 9) KNI 1101

JOUR350 **Multimedia Presentation**

JOUR350 *(PermReq)* **Multimedia Presentation; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: Minimum grade of C- in JOUR202; or minimum grade of C- in JOUR262. Credit only granted for: JOUR350 or JOUR373. An examination of the relationship of verbal and visual components of news content and the presentation of information in print and online publications by combining typography, graphics, images and interactivity using current digital technologies.

0201	George Lanum TuTh 12:00pm - 1:50pm	Seats (Total: 18) KNI 2103

0301	George Lanum MW 12:00pm - 1:50pm	Seats (Total: 18) KNI 2103

JOUR352 **Online Journalism**

JOUR352 *(PermReq)* **Online Journalism; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: JOUR262 or JOUR202. Restriction: Must be in a major in JOUR-Philip Merrill College of Journalism.* Editing and writing online, using basic Web-coding skills and tools to create news and feature packages for the Internet. New-media issues, including interactivity and individualization, will also be discussed.

0101	Leslie Walker TuTh 12:15pm - 1:30pm	Seats (Total: 18) KNI 1101
0201	Jacqueline Zajac W 7:00pm - 9:45pm	Seats (Total: 20) KNI 2105
0401	Mark Smith Th 6:00pm - 8:45pm	Seats (Total: 18) KNI 2105

JOUR353 **News Bureau: Multimedia Reporting**

JOUR353 *(PermReq)* **News Bureau: Multimedia Reporting; (3 credits)** Grade Method: REG/AUD.
Prerequisite: JOUR352; and permission of JOUR-Philip Merrill College of Journalism; and (JOUR320 or JOUR360). Advanced reporting and writing in an online environment focusing on multimedia and non-traditional storytelling. Students must contact the instructor for permission to register for the course. College Park students should enroll in section 0101. Annapolis students should enroll in section 0201. Washington, D.C. students shou ld enroll in section 0301.

0101	Sean Mussenden Contact instructor or department for details.	Seats (Total: 7)
0201	Rafael Lorente Contact instructor or department for details.	Seats (Total: 5)
0301	Adrianne Flynn Contact instructor or department for details.	Seats (Total: 5)

JOUR355 **News Bureau: Multimedia Editing and Production**

JOUR355 *(PermReq)* **News Bureau: Multimedia Editing and Production; (3 credits)** Grade Method: REG/AUD.
Prerequisite: JOUR202 or JOUR262; and (JOUR320 or JOUR360); and JOUR352; and permission of JOUR-Philip Merrill College of Journalism. Advanced online journalism training. Students work as multimedia editors and producers, building interactive content and special reports. Contact instructor to obtain permission.

0101	Sean Mussenden Contact instructor or department for details.	Seats (Total: 4)

JOUR360 **News Writing and Reporting II: Broadcast**

JOUR360 *(PermReq)* **News Writing and Reporting II: Broadcast; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: Minimum grade of C- in JOUR201. Restriction: Must be in a major in JOUR-Philip Merrill College of Journalism. Writing and reporting for broadcast media: production of news stories.

0101	Jonathan Ebinger MW 5:40pm - 6:55pm	Seats (Total: 18) KNI 2103
0102	Mark Feldstein TuTh 1:45pm - 3:00pm	Seats (Total: 18) KNI 1101
0103	Matt Speiser TuTh 7:30pm - 8:50pm	Seats (Total: 18) KNI 1101
0104	Jonathan Ebinger MW 4:15pm - 5:30pm	Seats (Total: 18) KNI 2103

JOUR361 **Television Reporting and Production**

JOUR361 *(PermReq)* **Television Reporting and Production; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: JOUR262 and JOUR360. Writing and editing for the broadcast media. Interpretive and documentary news stories. Due to rigorous fieldwork requirement, plan your schedule accordingly.

0101	Cassandra Clayton, Bethany Swain M 12:00pm - 2:45pm W 4:00pm - 5:00pm	Seats (Total: 10) KNI 3210 KNI 2105	 Discussion
0102	Bethany Swain, Cassandra Clayton M 12:00pm - 2:45pm W 5:00pm - 6:00pm	Seats (Total: 10) KNI 3210 KNI 2105	 Discussion
0201	Bethany Swain, Cassandra Clayton M 3:00pm - 5:45pm W 6:00pm - 7:00pm	Seats (Total: 3) KNI 3210 KNI 2105	 Discussion
0301	Joshua Davidsburg MW 7:00pm - 8:50pm	Seats (Total: 10) TWS 0117	

JOUR362 **Broadcast News Producing**

JOUR362 *(PermReq)* **Broadcast News Producing; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: JOUR262 and JOUR360; and completed or be concurrently enrolled in JOUR361. Credit only granted for: JOUR362 or JOUR368B. Formerly: JOUR368B.
Producing TV news.

0102	Cindy Wright Tu 7:15pm - 9:15pm Tu 2:00pm - 6:50pm	Seats (Total: 2) KNI 3207 TWS 0117	 Lab
0103	Cindy Wright Tu 7:15pm - 9:15pm W 2:00pm - 6:50pm	Seats (Total: 2) KNI 3207 TWS 0117	 Lab
0104	Cindy Wright Tu 7:15pm - 9:15pm Th 2:00pm - 6:50pm	Seats (Total: 2) KNI 3207 TWS 0117	 Lab

JOUR364 **Radio Broadcasting**

JOUR364 *(PermReq)* **Radio Broadcasting; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: JOUR360; and permission of JOUR-Philip Merrill College of Journalism. Credit only granted for: JOUR364 or JOUR368R. Formerly: JOUR368R. Students receive hands-on training in applying what they have learned about news reporting to the preparation of stories for, and the production of, a weekly radio program.

0101	Michael Koliska	Seats (Total: 13)
	MW 10:00am - 11:50am	KNI 1101
	Contact instructor or department for details.	

JOUR367 **Broadcast News Bureau**

JOUR367 *(PermReq)* **Broadcast News Bureau; (6 credits)** Grade Method: REG/AUD.
Prerequisite: JOUR361; and permission of JOUR-Philip Merrill College of Journalism. Advanced broadcast journalism training. Students report as part of the College's Capital News Service program. Also offered as JOUR667. Contact Caryn Taylor to obtain permission.

0101	Susan Katcef	Seats (Total: 8)
	Contact instructor or department for details.	

JOUR368B **Topics in Broadcast and Electronic Media; Broadcast Sports Reporting**

JOUR368B *(PermReq)* **Topics in Broadcast and Electronic Media: Broadcast Sports Reporting; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: JOUR262, JOUR360 and JOUR361 or permission of department.

0101	David Owens	Seats (Total: 10)
	W 10:00am - 12:45pm	KNI 2105
	Contact instructor or department for details.	

JOUR368P **Topics in Broadcast and Electronic Media; Photojournalism I**

JOUR368P *(PermReq)* **Topics in Broadcast and Electronic Media: Photojournalism I; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: JOUR360. Also open to students who have completed JOUR320. The basics of photography and telling stories through images. An examination of composition, lighting, camera technique and the ethicaland legal issues facing photographers. Students may be required to rent or purchase a digital camera. Contact department for camera specifications.

0101	John Davidson TuTh 3:30pm - 4:45pm	Seats (Total: 12) KNI 2103
0201	John Davidson TuTh 5:00pm - 6:15pm	Seats (Total: 12) KNI 2103

JOUR371 **Feature Writing**

JOUR371 *(PermReq)* **Feature Writing; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: JOUR320. Research and writing feature articles. Majors only.

0301	Marlene Cimons Tu 4:30pm - 7:15pm	Seats (Total: 18) KNI 1101

JOUR380 **Science Writing for News Media**

JOUR380 *(PermReq)* **Science Writing for News Media; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: JOUR320; or permission of JOUR-Philip Merrill College of Journalism. Writing of scientific and technical material for the general audience.

0101	Carol Rogers Tu 6:00pm - 8:45pm	Seats (Total: 5) KNI 2109

JOUR381 **Media Industry Reporting**

JOUR381 *(PermReq)* **Media Industry Reporting; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: JOUR320; and permission of instructor. Also offered as: JOUR681. Credit only granted for: JOUR381 or JOUR681. Students hone their reporting and writing skills as they produce work for an award-winning professional magazine, and immerse themselves in the news industry, which is undergoing dramatic transformation in the digital age.

0101	Rem Rieder	Seats (Total: 6)
	Contact instructor or department for details.	

JOUR389B **News Coverage of Special Topics; BROADCASTING THE GAMES: Covering Sports in Action**

JOUR389B *(PermReq)* **News Coverage of Special Topics: BROADCASTING THE GAMES: Covering Sports in Action; (3 credits)** Grade Method: REG.
Prerequisite: JOUR262 and JOUR360; or permission of department. A comprehensive course on play-by-play coverage of varsity sports on the University of Maryland campus. Students will conduct research to prepare to cover sporting events and then be assigned to cover specific games. Emphasis is on production and play-by-play accounts and analysis. Student work will appear on television, radio and the internet.

0101	Jeremiah Tittle	Seats (Total: 12)
	Th 4:00pm - 6:45pm	KNI 1101

JOUR398 **Independent Study**

JOUR398 *(PermReq)* **Independent Study; (1-3 credits)** Grade Method: REG.
Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

JOUR399 **Supervised Internship**

JOUR399 *(PermReq)* **Supervised Internship; (1 credit)** Grade Method: REG. Prerequisite: Grade of C- or better in JOUR320 or JOUR360. Credit will be granted for only one of the following: JOUR326, JOUR366, JOUR396 or JOUR399. Supervised news internship experience; relation of academic training to professional experience. Students must pick up an internship agreement form in KNI 1100, have the internship supervisor fill it out, and meet with the Internship Director to receive permission to register. No requests to register after the Schedule Adjustment Period will be granted.

0101	Christine Harvey	Seats (Total: 75)
	Contact instructor or department for details.	

JOUR400 **Media Law**

JOUR400 *(PermReq)* **Media Law; (3 credits)** Grade Method: REG. *Prerequisite: JOUR320, JOUR360, or JOUR501. Restriction: Junior standing or higher.* Legal rights and constraints of mass media; libel, privacy, copyright, monopoly, contempt, and other aspects of the law applied to mass communication. Previous study of the law not required. Restricted to students having earned at least 60 credits. JOUR 400 is also offered during the summer. For more information consult the summer Schedule of Classes.

0101	Deborah Nelson	Seats (Total: 42)
	MW 4:00pm - 5:15pm	KNI 1208
0201	Sandra Banisky	Seats (Total: 42)
	TuTh 2:00pm - 3:15pm	KNI 1208

JOUR451 **Advertising and Society**

JOUR451 Advertising and Society; (3 credits) Grade Method: REG/P-F/AUD. *Restriction: Junior standing or higher.* Advertising as an institution with manifest economic purposes and latent social effects. Influences of advertising on people, and related issues of ethics and social responsibility.

0101	Eric Zanot	Seats (Total: 14)
	W 1:00pm - 4:00pm	KNI 3200

JOUR452 **Women in the Media**

JOUR452 Women in the Media; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course. GenEd: Diversity - Understanding Plural Societies.
Restriction: Junior standing or higher. Also offered as: WMST452. Credit only granted for: JOUR452 or WMST452. Participation and portrayal of women in the mass media from colonial to contemporary times.

0101	Carol Rogers	Seats (Total: 20)
	TuTh 3:30pm - 4:45pm	KNI 1206

JOUR453 **News Coverage of Racial Issues**

JOUR453 News Coverage of Racial Issues; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course. GenEd: Diversity - Understanding Plural Societies.
Restriction: Junior standing or higher. Analysis of news media coverage of issues relating to racial minorities in the United States, with special attention to Hispanics, Asian Americans, African Americans and Native Americans. Also offered as AASP 499N.

0101	Kimberly Davis	Seats (Total: 30)
	TuTh 3:30pm - 4:45pm	KNI 3202

JOUR456 **Literature in Journalism**

JOUR456 Literature in Journalism; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Humanities.
Also offered as: JOUR673. Credit only granted for: JOUR456 or JOUR673. From Truman Capote's In Cold Blood to Mark Bowden's Black Hawk Down, students will examine how literary works can help writers approach a subject in a different way than more traditional forms of journalism, including the advantages and limitations of the style.

0101	Kevin Klose	Seats (Total: 18)
	TuTh 11:00am - 12:15pm	KNI 1206

JOUR458B **Special Topics in Journalism; Sports Media Today**

JOUR458B Special Topics in Journalism: Sports Media Today; (3 credits) Grade Method: REG/P-F/AUD.

0101	Chartese Burnett Th 6:00pm - 8:45pm	Seats (Total: 25) KNI 1208

JOUR458G **Special Topics in Journalism; Sports Journalism and Social Change**

JOUR458G Special Topics in Journalism: Sports Journalism and Social Change; (3 credits) Grade Method: REG/P-F/AUD.
Junior Standing and writing experience.

0101	Kevin Blackistone TuTh 9:30am - 10:45am	Seats (Total: 15) KNI 1103

JOUR459K **Special Topics in Journalism; Global Media and International Journalism in the 21st Century**
Contact department for information to register for this course.

JOUR459L **Special Topics in Journalism; European Mass Media**
Contact department for information to register for this course.

JOUR459V **Special Topics in Journalism; Media and International Affairs**
Contact department for information to register for this course.

JOUR459Z **Special Topics in Journalism; Journalism in the Near East and North Africa**

JOUR459Z Special Topics in Journalism: Journalism in the Near East and North Africa; (3 credits) Grade Method: REG/P-F/AUD.
This courses considers the state of the media, journalism and freedom of the press in the Near East with specific attention to recent events in the Arab world. Emphasis will be on placing events into historical, pol itical and social context. This course is ideal for students interested in a career in international journalism, human rights, law or political science. No prior knowledge of the Middle East is required.

0101	Sheila Lalwani W 6:00pm - 8:45pm	Seats (Total: 18) KNI 1206

JOUR462 **Professional Seminar in Public Affairs Reporting**

JOUR462 *(PermReq)* **Professional Seminar in Public Affairs Reporting; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: Permission of JOUR-Philip Merrill College of Journalism. Explore theoretical and practical issues in the press coverage of governments. Examine the complex press-government relationship.

0101	Haynes Johnson M 9:00am - 11:50am	Seats (Total: 9) KNI 1206

JOUR470 **Journalism and Public Communication Research**

JOUR470 *(PermReq)* **Journalism and Public Communication Research; (3 credits)** Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Scholarship in Practice.
Prerequisite: Must have completed a university statistics course. Credit only granted for: JOUR470 or JOUR477. Formerly: JOUR477. Journalism and public communication research methods used in measuring public opinion and media programs and materials.

0101	Susan Moeller TuTh 12:30pm - 1:45pm	Seats (Total: 18) KNI 2107

JOUR471 **Public Opinion Research**

JOUR471 *(PermReq)* **Public Opinion Research; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: Must have completed a university statistics course. Measurement of public opinion and media habits; role of the media in the formation of public opinion.

0101	John Newhagen TuTh 10:00am - 11:15am	Seats (Total: 15) KNI 2103
0201	John Newhagen TuTh 2:00pm - 3:15pm	Seats (Total: 15) KNI 2103

JOUR479G **Special Topics in Data Gathering and Analysis; Historiography of Broadcasting**

JOUR479G *(PermReq)* **Special Topics in Data Gathering and Analysis: Historiography of Broadcasting; (3 credits)** Grade Method: REG.
Prerequisite: A university statistics course.

0101	James Baxter Tu 2:00pm - 3:15pm Th 2:00pm - 3:15pm	Seats (Total: 18) KNI 3200 HBK 3210

JOUR501 **Fundamentals of Writing and Editing**

JOUR501 *(PermReq)* **Fundamentals of Writing and Editing; (3 credits)** Grade Method: REG/AUD.
Prerequisite: Permission of JOUR-Philip Merrill College of Journalism. Principles of news and feature writing. For graduate students with limited prior training or experience in journalism.

0101	Sandra Banisky TuTh 10:00am - 11:50am	Seats (Total: 18) KNI 2107

JOUR504 **Introduction to Multimedia Skills**

JOUR504 Introduction to Multimedia Skills; (3 credits) Grade Method: REG/AUD.
Corequisite: Concurrently enrolled in JOUR501; or permission of instructor. Restriction: Permission of JOUR-Philip Merrill College of Journalism. Credit only granted for: JOUR504 or JOUR628G. Formerly: JOUR628G. Examining the basics of producing and editing digital photos, video, and audio. Topics include: framing, lighting, and other aspects of composition; sequencing, using wide, medium, and tight shots; and ethical considerations when collecting sound and visuals.

0101	James McIntyre F 10:00am - 12:45pm	Seats (Total: 15) KNI 2103
PC01	Robert Sachs, Timothy Jacobsen, Christina Hughey Sa 8:30am - 12:15pm *Section PC01 is only open to studnets in the Multimedia Journalism Certificate program. For additional information, including exact meeting dates, please click here.*	Seats (Total: 18) KNI 1101

JOUR531 **Humphrey Seminar I**

JOUR531 *(PermReq)* **Humphrey Seminar I; (2 credits)** Grade Method: REG.
Prerequisite: Admission to Humphrey Fellow Program and permission of department. Introduction to journalism issues; American culture and government; and leadership training.

0101	Lucinda Fleeson F 10:00am - 1:00pm	Seats (Total: 12) ARM 0121

JOUR600 **Journalism Ethics**

JOUR600 *(PermReq)* **Journalism Ethics; (3 credits)** Grade Method: REG/AUD.
Prerequisite: Permission of JOUR-Philip Merrill College of Journalism. Examination of ethical problems in journalism and the media industry.

0101	Christopher Hanson M 4:15pm - 7:00pm	Seats (Total: 18) KNI 1103

JOUR601 **Theories of Journalism and Public Communication**

JOUR601 *(PermReq)* **Theories of Journalism and Public Communication; (3 credits)** Grade Method: REG/AUD.
Prerequisite: Permission of JOUR-Philip Merrill College of Journalism. Survey and evaluation of current communication theories. Attention is given to the nature and function of scientific theory, models of communication behavior, the nature of information, social functions of journalism and public communication, attitude change and persuasive communication and theories of language and meaning.

0101	Linda Steiner Tu 4:15pm - 7:00pm	Seats (Total: 10) KNI 1109

JOUR603 **Reporting for Broadcast**

JOUR603 *(PermReq)* **Reporting for Broadcast; (3 credits)** Grade Method: REG/AUD.
Corequisite: Concurrently enrolled in JOUR501; or permission of JOUR-Philip Merrill College of Journalism. Restriction: Permission of JOUR-Philip Merrill College of Journalism. Credit only granted for: JOUR503 or JOUR603. Formerly: JOUR503. Designed to introduce students to the production and content standards of professional writing and video production for broadcast and Internet News.

0101	Kimberlee Shaffir TuTh 8:00am - 9:50am Contact instructor or department for details.	Seats (Total: 13) KNI 3210

JOUR625 **Advanced Capital News Service Bureau**

JOUR625 *(PermReq)* **Advanced Capital News Service Bureau; (6 credits)** Grade Method: REG/AUD.
Prerequisite: JOUR620; and permission of JOUR-Philip Merrill College of Journalism. Credit only granted for: JOUR625 or JOUR729. Formerly: JOUR729. Advanced journalism training. Students report as part of College's Capital News Service program. Also offered as JOUR325. Contact Caryn Taylor to obtain permission.

0101	Adrianne Flynn Contact instructor or department for details.	Seats (Total: 9)
0201	Rafael Lorente Contact instructor or department for details.	Seats (Total: 9)

JOUR627 **Urban Affairs Reporting**

JOUR627 *(PermReq)* **Urban Affairs Reporting; (3 credits)** Grade Method: REG/AUD.
Prerequisite: JOUR501; and permission of JOUR-Philip Merrill College of Journalism. Corequisite: Concurrently enrolled in JOUR620; or permission of JOUR-Philip Merrill College of Journalism. Also offered as: JOUR327. Credit only granted for: JOUR327 or JOUR627. Students are immersed in coverage of issues affecting cities, working on a semester-long multi-platform reporting project based in Baltimore. Students will use Baltimore as a working laboratory to report on urban issues. Course meets in Baltimore.

0101	Sandra Banisky M 1:00pm - 3:45pm	Seats (Total: 1) Location: TBA

JOUR628B **Specialized Topics in News Writing and Reporting; Sports Reporting and Writing**

JOUR628B *(PermReq)* **Specialized Topics in News Writing and Reporting: Sports Reporting and Writing; (3 credits)** Grade Method: REG/AUD.
Course shares space with JOUR328B.

0101	George Solomon W 12:00pm - 2:45pm	Seats (Total: 4) KNI 1206

JOUR628R **Specialized Topics in News Writing and Reporting; Business Reporting**

JOUR628R *(PermReq)* **Specialized Topics in News Writing and Reporting: Business Reporting; (3 credits)** Grade Method: REG/AUD.

0101	Robert Matthews W 6:00pm - 8:45pm	Seats (Total: 5) KNI 3200

JOUR652 **Online Journalism**

JOUR652 *(PermReq)* **Online Journalism; (3 credits)** Grade Method: REG/AUD.
Prerequisites: JOUR 502, JOUR 503, or equivalent. For JOUR majors only. Editing and writing online, using basic Web-coding skills and tools to create news and feature packages for the Internet. New-media issues, including interactivity and individualization, are also to be discussed.

0101	Christine Harvey TuTh 10:45am - 12:00pm	Seats (Total: 16) KNI 1101
PC01	Mark Young Sa 1:30pm - 5:15pm	Seats (Total: 18) KNI 2105
	Section PC01 is only open to studnets in the Multimedia Journalism Certificate program. For additional information, including exact meeting dates, please click here.	

JOUR655 **Advanced Online News Bureau**

JOUR655 *(PermReq)* **Advanced Online News Bureau; (6 credits)** Grade Method: REG/AUD.
Prerequisite: JOUR603 or JOUR620; and (JOUR504 and JOUR652). Or permission of JOUR-Philip Merrill College of Journalism. Advanced online journalism training. Students work as online reporters, editors and producers for a news site. Students also package copy from the print and broadcast news bureaus. Prerequisites: JOUR 620 and 652 or equivalent. Contact the instructor to obtain permission. Course shares space with JOUR355.

0101	Sean Mussenden F 9:00am - 5:00pm	Seats (Total: 4) KNI 3210	

JOUR660 **Seminar in Broadcast News**

JOUR660 Seminar in Broadcast News; (3 credits) Grade Method: REG/AUD. *Credit only granted for: JOUR660 or JOUR760. Formerly: JOUR760.* Descriptive and critical analysis of broadcast news; methods of evaluation of news judgments; decision-making and organizational aspects of the broadcast news industry. For majors only.

0101	Mark Feldstein TuTh 9:15am - 10:30am	Seats (Total: 10) KNI 1101	

JOUR661 **Television Reporting and Production**

JOUR661 *(PermReq)* **Television Reporting and Production; (3 credits)** Grade Method: REG/AUD.
Prerequisite: JOUR603; or students who have taken courses with similar or comparable course content may contact the department. Restriction: Must not be in Journalism Studies (Doctoral) program. Reporting, writing, editing and production of broadcast news.

0102	Bethany Swain, Cassandra Clayton M 3:00pm - 5:45pm W 6:00pm - 7:00pm	Seats (Total: 9) KNI 3210 KNI 2105	 Discussion

JOUR665 **Patch U:Hyper-Local News Production**

JOUR665 *(PermReq)* **Patch U:Hyper-Local News Production; (3 credits)** Grade Method: REG/AUD.
Prerequisite: JOUR501 and JOUR504; or permission of JOUR-Philip Merrill College of Journalism. Corequisite: Concurrently enrolled in JOUR620 and JOUR652; or permission of JOUR-Philip Merrill College of Journalism. Restriction: Permission of JOUR-Philip Merrill College of Journalism. Also offered as: JOUR337. Credit only granted for: JOUR389P, JOUR337 or JOUR665. Patch U: Hyper Local News Production for graduate students.

0101	Sonia Dasgupta W 1:00pm - 4:00pm	Seats (Total: 1) KNI 1101

JOUR667 **Broadcast News Bureau**

JOUR667 *(PermReq)* **Broadcast News Bureau; (6 credits)** Grade Method: REG/AUD.
Prerequisite: JOUR503; or students who have taken courses with similar or comparable course content may contact the department. And permission of JOUR-Philip Merrill College of Journalism. Advanced broadcast journalism training. Students report as part of the College's Captial News Service program. Also offered as JOUR367. Contact Caryn Taylor to obtain permission.

0101	Susan Katcef Contact instructor or department for details.	Seats (Total: 8)

JOUR680 **Science Communication**

JOUR680 *(PermReq)* **Science Communication; (3 credits)** Grade Method: REG/AUD.
Advanced professional training in science reporting and writing for the mass media and in technical communication to specialized audiences. Communication behaviors of scientists and audiences. Application of communication theory and the history and philosophy of science to science writing.

0101	Carol Rogers Tu 6:00pm - 8:45pm	Seats (Total: 5) KNI 2109

JOUR681 **Media Industry Reporting**

JOUR681 *(PermReq)* **Media Industry Reporting; (3 credits)** Grade Method: REG/AUD.
Prerequisite: JOUR501; or permission of JOUR-Philip Merrill College of Journalism. Corequisite: Concurrently enrolled in JOUR620; or permission of JOUR-Philip Merrill College of Journalism. Restriction: Permission of JOUR-Philip Merrill College of Journalism. Also offered as: JOUR381. Credit only granted for: JOUR381 or JOUR681. Students hone their reporting and writing skills as they produce work for the Web site of an award-winning professional publication, and immerse themselves in the news industry, which is undergoing dramatic transformation in the digital age.

0101	Rem Rieder	Seats (Total: 3)
	Contact instructor or department for details.	

JOUR689P **News Coverage of Specialized Topics; Political Institutions: Crisis and Communication**

JOUR689P *(PermReq)* **News Coverage of Specialized Topics: Political Institutions: Crisis and Communication; (3 credits)** Grade Method: REG/AUD.

0101	Sarah Oates	Seats (Total: 12)
	W 1:45pm - 4:30pm	KNI 2109

JOUR698 **Special Problems in Communication**

JOUR698 *(PermReq)* **Special Problems in Communication; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

JOUR698L **Special Problems in Communication; Graduate Research Colloquium**

JOUR698L Special Problems in Communication: Graduate Research Colloquium; (1 credit) Grade Method: REG/AUD.

0101	Linda Steiner	Seats (Total: 12)
	M 2:00pm - 3:00pm	KNI 2109

JOUR698M **Special Problems in Communication; Media Transformation in the Digital Age**

JOUR698M Special Problems in Communication: Media Transformation in the Digital Age; (3 credits) Grade Method: REG/AUD.

0101	Kalyani Chadha	Seats (Total: 10)
	M 9:00am - 11:45am	KNI 1109

JOUR700 **Seminar in Media Law**

JOUR700 *(PermReq)* **Seminar in Media Law; (3 credits)** Grade Method: REG/AUD. *Restriction: Must be in one of the following programs (Journalism - Master (Master's); Journalism Studies (Doctoral)) ; or permission of JOUR-Philip Merrill College of Journalism. Credit only granted for: JOUR400, JOUR700, or JOUR755. Formerly: JOUR755.* Legal rights and constraints of mass media; libel, privacy, copyright, monopoly, and contempt, and other aspects of the law applied to mass communication.

0101	Diana Huffman	Seats (Total: 18)
	TuTh 2:00pm - 3:15pm	KNI 1105

JOUR762 **Professional Seminar in Public Affairs Reporting**

JOUR762 *(PermReq)* **Professional Seminar in Public Affairs Reporting; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: JOUR620; and permission of JOUR-Philip Merrill College of Journalism. Restriction: Must not have completed JOUR462. Examination of theoretical and practical issues in the press coverage of government and public affairs.

0101	Haynes Johnson	Seats (Total: 12)
	M 9:00am - 11:50am	KNI 1206

JOUR772 **Methods in Computer-Assisted Reporting**

JOUR772 *(PermReq)* **Methods in Computer-Assisted Reporting; (3 credits)** Grade Method: REG.
Prerequisite: Completed or be concurrently enrolled in JOUR501; or students who have taken courses with similar or comparable course content may contact the department. Computer-assisted (database) journalism; obtaining, manipulating and analyzing complex government data for journalism projects.

0101	Ira Chinoy, Daniel Keating	Seats (Total: 18)
	MW 10:00am - 11:50am	KNI 2107

JOUR798 **Master's Professional Fieldwork**

JOUR798 *(PermReq)* **Master's Professional Fieldwork; (1-6 credits)** Grade Method: S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

JOUR799 **Master's Thesis Research**

JOUR799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

JOUR800 **Introduction to Doctoral Study in Journalism and Public Communication**

JOUR800 *(PermReq)* **Introduction to Doctoral Study in Journalism and Public Communication; (3 credits)** Grade Method: REG/AUD.
Credit only granted for: JOUR700 or JOUR800. Formerly: JOUR700. Basic skills in journalism and public communication research.

0101	Linda Steiner	Seats (Total: 10)
	W 9:00am - 11:45am	KNI 2109

JOUR808B **Doctoral Colloquium; Teaching as a Transformative Enterprise**

JOUR808B *(PermReq)* **Doctoral Colloquium: Teaching as a Transformative Enterprise; (1 credit)** Grade Method: REG/AUD.

0101	Thomas Bowers	Seats (Total: 5)
	W 5:15pm - 7:15pm	KNI 1109

JOUR888 **Doctoral Professional Field Work**

JOUR888 Doctoral Professional Field Work; (3-9 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

JOUR889 **Doctoral Tutorial in Journalism and Public Communication**

JOUR889 Doctoral Tutorial in Journalism and Public Communication; (3-9 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

JOUR898 **Pre-Candidacy Research**

JOUR898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

JOUR899 **Doctoral Dissertation Research in Journalism and Mass Communication**

JOUR899 *(PermReq)* **Doctoral Dissertation Research in Journalism and Mass Communication; (6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

JWST Jewish Studies Fall 2012

JWST219L **Wisdom Literature and the Hebrew Bible**

JWST219L Wisdom Literature and the Hebrew Bible; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course.
Also offered as CMLT298L and RELS219L. An introduction to the various kinds of philosophical texts (wisdom literature) found in the Hebrew Bible with comparison to similar Ancient Near Eastern texts. The course examines the term "wisdom" as defining a genre of literature in the Hebrew Bible through readings from works such as Job, Ecclesiastes, and Proverbs. Some familiarity with the Hebrew Bible in original or translation is recommended.

0101	Jacqueline Vayntrub	Seats (Total: 32)
	TuTh 12:30pm - 1:45pm	ARM 0121

JWST219M **Special Topics in Jewish Studies; Yiddish Theater, Film and Popular Culture**

JWST219M Special Topics in Jewish Studies: Yiddish Theater, Film and Popular Culture; (3 credits) Grade Method: REG/P-F/AUD.

0100	Agnieszka Legutko	Seats (Total: 40)
	W 3:30pm - 6:00pm	SQH 1117

JWST219Q **Special Topics in Jewish Studies; Dead Sea Scrolls**

JWST219Q Special Topics in Jewish Studies: Dead Sea Scrolls; (3 credits)
Grade Method: REG/P-F/AUD.
Also offered as RELS219Q. Introduction to the texts, archaeology, history, and culture associated with the Dead Sea Scrolls. Special attention to developments in Second Temple Judaism and early Christianity, as well as the development of the texts of the Bible.

0101	Maxine Grossman	Seats (Total: 40)
	MW 11:00am - 12:15pm	BPS 0283

JWST219Y **Special Topics in Jewish Studies; Intermediate Yiddish I**

JWST219Y Special Topics in Jewish Studies: Intermediate Yiddish I; (3 credits)
Grade Method: REG/P-F/AUD.
Prerequisite: Permission of instructor.

0101	Agnieszka Legutko	Seats (Total: 20)
	TuTh 12:30pm - 1:45pm	JMZ 1122

JWST231 **Jewish Texts and Cultures of the Second Temple Period**

JWST231 Jewish Texts and Cultures of the Second Temple Period; (3 credits)
Grade Method: REG/P-F/AUD. CORE Interdisciplinary & Emerging Issues (IE) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - Humanities; Diversity - Understanding Plural Societies.
Credit only granted for: HIST219C (Fall 2005), HIST219D (Fall 1998), JWST219C (Fall 2005), JWST219F (Fall 1998), or JWST231. An introduction to the literature, history, and culture of Jews in the period between the sixth century BCE and the second century CE. Special topics may include the rise of the formation of the biblical canon, scriptural interpretation, sectarian and revolutionary movements, and growth of the diaspora. Also offered as HIST219T.

0101	Hayim Lapin	Seats (Total: 40)
	TuTh 9:30am - 10:45am	EDU 0212

JWST234 **History of the Jewish People I**

JWST234 History of the Jewish People I; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - History and Social Sciences; Diversity - Understanding Plural Societies.
Also offered as: HIST282. Credit only granted for: HIST282 or JWST234. Political, economic, social, and cultural development within Jewish history from the Biblical period to the late Middle Ages. Special attention to the emergence of Rabbinic Judaism and its subsequent encounter with medieval Christian and Islamic civilizations.

0103	Hayim Lapin TuTh 12:30pm - 1:20pm Th 11:00am - 11:50am	Seats (Total: 20) KEY 0102 ARC 1121	Discussion
0104	Hayim Lapin TuTh 12:30pm - 1:20pm Tu 11:00am - 11:50am	Seats (Total: 20) KEY 0102 COL 0113	Discussion
0105	Hayim Lapin TuTh 12:30pm - 1:20pm Tu 2:00pm - 2:50pm	Seats (Total: 20) KEY 0102 JMZ 1224	Discussion
0106	Hayim Lapin TuTh 12:30pm - 1:20pm W 12:00pm - 12:50pm	Seats (Total: 20) KEY 0102 ARM 0103	Discussion

JWST262 **The Hebrew Bible: Narrative**

JWST262 The Hebrew Bible: Narrative; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course.
Also offered as: ENGL262. Credit only granted for: JWST262 or ENGL262. Formerly: HEBR223. Selected readings from narrative sections of the Hebrew Bible stressing the new literary approaches to the biblical text. In English; no knowledge of Hebrew required.

0101	Jacqueline Vayntrub TuTh 11:00am - 12:15pm	Seats (Total: 40) MMH 3418	

JWST283 **Intensive Elementary Yiddish I**

JWST283 Intensive Elementary Yiddish I; (4 credits) Grade Method: REG/P-F/AUD.
Restriction: Must not have completed JWST282. Credit only granted for: GERM149Y, JWST282, or JWST283. An intensive introduction to the Yiddish language. Course covers one year of language instruction in one semester.

0101	Agnieszka Legutko TuTh 10:00am - 11:50am	Seats (Total: 20) JMZ 1122	

JWST289T **The Practice of Tolerance in Religious Societies**

JWST289T The Practice of Tolerance in Religious Societies; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - Humanities; Diversity - Understanding Plural Societies; Signature Courses - I-Series.
Also offered as HIST140 and RELS289T. Credit will be granted for only one of the following: HIST289G, HIST140, JWST289T, or RELS289T.

0101	Bernard Cooperman TuTh 9:30am - 10:20am Tu 12:30pm - 1:20pm	Seats (Total: 20) KEY 1117 JMZ 1224	 Discussion
0102	Bernard Cooperman TuTh 9:30am - 10:20am Th 11:00am - 11:50am	Seats (Total: 20) KEY 1117 JMZ 0103	 Discussion
0103	Bernard Cooperman TuTh 9:30am - 10:20am Th 2:00pm - 2:50pm	Seats (Total: 20) KEY 1117 JMZ 1120	 Discussion

JWST319D **Special Topics in Jewish Studies; The Sephardic/Mizrahi Experience in Israel**

JWST319D Special Topics in Jewish Studies: The Sephardic/Mizrahi Experience in Israel; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as ISRL448G. Covers the relationship between and among Sephardic/Mizrahi Jews and the greater pre-State Zionist and post-State Israeli socioeconomic and political culture and ideology. The course puts this in the context of global questions that reflect comparative approaches to the challenge of integrating minority ethnic groups.

0101	Joseph Ringel TuTh 12:30pm - 1:45pm	Seats (Total: 25) KEY 0121

JWST319F **Special Topics in Jewish Studies; Religion and Politics in the State of Israel**

JWST319F Special Topics in Jewish Studies: Religion and Politics in the State of Israel; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as GVPT378R and IRSL349R. Covers the interplay between religion and politics in Israel and its effects on Israeli culture and on domestic and foreign politics. The course situates the resultant tensions within the broader Middle Eastern and global context that pit religion against modernity.

0101	Joseph Ringel TuTh 9:30am - 10:45am	Seats (Total: 40) TYD 2109

JWST344 **Modern Jewish History II: World Jewry Since 1870**

JWST344 Modern Jewish History II: World Jewry Since 1870; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as: HIST375. Credit only granted for: HIST375 or JWST344. Continuation of JWST343: Social, political, economic, and cultural change in the Jewish world since 1870. Emphasis on emancipation, assimilation, and new forms of Jewish identity in Western and Eastern European Jewry from the 19th Century to the present.

0101	Marsha Rozenblit MW 11:00am - 12:15pm	Seats (Total: 40) KEY 0116

JWST369A **Special Topics in Study Abroad III; The Holocaust: 20th Century Jewish Thought**
Contact department for information to register for this course.

JWST381 **Introduction to Hebrew Cultural Studies**

JWST381 Introduction to Hebrew Cultural Studies; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: HEBR314; or permission of instructor. Restriction: Must not have completed HEBR381. Also offered as: HEBR381. Credit only granted for: HEBR381 or JWST381. Critical study of Israeli culture with special emphasis or literature film, and art as sites of struggle over political and social meaning during times of cultural transformation in Israel. Topics will focus on the historical development of Israeli identity and gender, in particular within the military and Zionist youth movements. Taught in Hebrew.

0101	Shira Oz-Sinai	Seats (Total: 15)
	TuTh 11:00am - 12:15pm	HBK 0115

JWST409A **Research Seminar in Jewish Studies; Literature and Jewish Life in Eastern Europe**

JWST409A *(PermReq)* **Research Seminar in Jewish Studies: Literature and Jewish Life in Eastern Europe; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: permission of department. We will discuss works by Karl Emil Franzos, Joseph Roth, Aflred Doblin, and others, and examine their contribution to the myths concerning Jewish life in Eastern Europe.

0101	Rachel Manekin	Seats (Total: 5)
	Th 3:30pm - 6:00pm	WDS 1130

JWST419E **Special Topics in Jewish Studies; Jews of Eastern Europe 1580 - 1939**

JWST419E Special Topics in Jewish Studies: Jews of Eastern Europe 1580 - 1939; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as HIST419Q. Credit will be granted for only one of the following JWST419E or HIST419Q.

0101	Rachel Manekin	Seats (Total: 35)
	TuTh 9:30am - 10:45am	HBK 0115

JWST419J **Special Topics in Jewish Studies; Representing the Holocaust**

JWST419J Special Topics in Jewish Studies: Representing the Holocaust; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as ENGL379J. Prerequisite: two lower-level English courses, at least one in literature; or permission of department. Credit will be granted for only one of the following: ENGL379J or JWST419J.

0101	Sheila Jelen	Seats (Total: 30)
	TuTh 2:00pm - 3:15pm	TWS 1107

JWST419O **Special Topics in Jewish Studies; Is Judaism a Religion?**

JWST419O Special Topics in Jewish Studies: Is Judaism a Religion?; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as RELS419O.

0101	Maxine Grossman	Seats (Total: 25)
	MW 2:00pm - 3:15pm	KEY 0120

JWST429J **Advanced Topics in Jewish Studies; Critical Issues in Israeli Cinema**

JWST429J Advanced Topics in Jewish Studies: Critical Issues in Israeli Cinema; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as FILM430, HEBR498C or ISRL449K. Credit will be granted for only one of the following: ISRL449K, JWST429J, and HEBR498C. Taught in English.

0101	Eric Zakim	Seats (Total: 30)
	TuTh 2:00pm - 3:15pm	PLS 1117

JWST429P **Advanced Topics in Jewish Studies; Culture and Identity in Jewish Hebrew Education**

JWST429P Advanced Topics in Jewish Studies: Culture and Identity in Jewish Hebrew Education; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Humanities.

0101	Avital Feuer	Seats (Total: 15)
	Class time/details on ELMs	ONLINE

JWST432 **Jews in Medieval Times 1000-1450**

JWST432 Jews in Medieval Times 1000-1450; (3 credits) Grade Method: REG/P-F/AUD.
Recommended: HIST282, JWST234, HIST330, or HIST331. Also offered as: HIST476. Credit only granted for: HIST419R, HIST476, or JWST432. Formerly: JWST429M. Social and cultural life of Jewish communities spread throughout Islam and Christendom. Major topics include the Gaonate; kehila organization; legal, rationalist, and mystical thought; and the context of rising animosity linked to the Crusades and changing Church doctrines.

0101	Bernard Cooperman	Seats (Total: 40)
	TuTh 2:00pm - 3:15pm	KEY 0116

JWST459M **Readings in Medieval Hebrew; Maimonides: His Life and Thought**

JWST459M Readings in Medieval Hebrew: Maimonides: His Life and Thought; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: HEBR313 or permission of instructor. Taught in Hebrew.

0101	Charles Manekin	Seats (Total: 20)
	TuTh 9:30am - 10:45am	HZF 0142

JWST499 **Independent Study in Jewish Studies; Independent Study in Jewish Studies**

JWST499 *(PermReq)* **Independent Study in Jewish Studies: Independent Study in Jewish Studies; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department.

Contact department for information to register for this course.

JWST600 **General Seminar in Jewish Studies**

JWST600 General Seminar in Jewish Studies; (3 credits) Grade Method: REG. Introduce graduate students to the fields, problems, and basic methods of research in the comtemporary practice of Jewish Studies. Consideration of chronological and historiographical problems, questions of the development of Jewish thought and literature and Jewish religious and cultural history in four rough chronological periods: Biblical Israel, Judaism in Antiquity, Judaism in the Middle Ages and Early Modern Period, and Modern Judaism. Also offered as HIST609T.

0114	Bernard Cooperman	Seats (Total: 10)
	Contact instructor or department for details.	

JWST609 **Supervised Instruction-Practicum in Jewish Studies**

JWST609 Supervised Instruction-Practicum in Jewish Studies; (1 credit) Grade Method: S-F.

0110	Avital Feuer	Seats (Total: 5)
	Contact instructor or department for details.	

JWST619 **Directed Readings in Jewish Studies**

JWST619 *(PermReq)* **Directed Readings in Jewish Studies; (3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department.

Contact department for information to register for this course.

JWST619P **Directed Readings in Jewish Studies; Culture and Identity in Jewish Hebrew Education**

JWST619P Directed Readings in Jewish Studies: Culture and Identity in Jewish Hebrew Education; (3 credits) Grade Method: REG.

0101	Avital Feuer	Seats (Total: 5)
	Class time/details on ELMs	ONLINE

JWST699 **Independent Graduate Readings in Jewish Studies**

JWST699 *(PermReq)* **Independent Graduate Readings in Jewish Studies; (1-3 credits)** Grade Method: REG.

0106	Sheila Jelen	Seats (Total: 5)
	Contact instructor or department for details.	
0118	Agnieszka Legutko	Seats (Total: 1)
	Contact instructor or department for details.	

JWST799 **Masters Thesis Research**

JWST799 *(PermReq)* **Masters Thesis Research; (1-6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department.

Contact department for information to register for this course.

KNES Kinesiology Fall 2012

KNES100N **Physical Education Activities: Coed; Basketball (Beginning)**

KNES100N Physical Education Activities: Coed: Basketball (Beginning); (1 credit) Grade Method: REG/P-F.
Attendance is required of all students beginning the first day of class. Schedule adjustment is the first week of classes only.

0001	Ryan Basen **Meets August 29, 2012 - October 19, 2012** TuTh 8:00am - 10:00am *Meets first 7 weeks.*	Seats (Total: 36) ERC 0135	Lab
0002	Ryan Basen **Meets October 22, 2012 - December 11, 2012** TuTh 8:00am - 10:00am *Meets second 7 weeks.*	Seats (Total: 36) ERC 0135	Lab

KNES100O **Physical Education Activities: Coed; Basketball (Intermediate)**

KNES100O Physical Education Activities: Coed: Basketball (Intermediate); (2 credits) Grade Method: REG/P-F.
Attendance is required of all students beginning the first day of class.

0001	Andrew Ginsberg MW 12:00pm - 2:00pm *This section is for KNES Majors only.*	Seats (Total: 36) ERC 0135	Lab
0002	Ronald Mower TuTh 2:00pm - 4:00pm *This section is for KNES Majors only.*	Seats (Total: 36) ERC 0135	Lab

0003	Ryan Basen MW 10:00am - 12:00pm *This section is for KNES Majors only.*	Seats (Total: 36) ERC 0135	Lab
0004	Andrew Ginsberg TuTh 12:00pm - 2:00pm *This section is for KNES Majors only.*	Seats (Total: 36) ERC 0135	Lab

KNES131O **Physical Education Activities: Coed; Jogging (Intermediate)**

KNES131O Physical Education Activities: Coed: Jogging (Intermediate); (2 credits) Grade Method: REG/P-F.

0001	Theresa Smith TuTh 2:00pm - 4:00pm *This section is for KNES Majors only.*	Seats (Total: 40) COL 1100D	Lab

KNES131V **Physical Education Activities: Coed; Jogging (BEGINNING)**

KNES131V Physical Education Activities: Coed: Jogging (BEGINNING); (2 credits) Grade Method: REG/P-F.
Attendance is required of all students beginning the first day of class.

0001	Theresa Smith MW 2:00pm - 4:00pm	Seats (Total: 60) COL 1100D	Lab
0002	Andrea Romeo TuTh 12:00pm - 2:00pm	Seats (Total: 60) COL 1100D	Lab

KNES134O **Physical Education Activities: Coed; Bowling (Intermediate)**

KNES134O Physical Education Activities: Coed: Bowling (Intermediate); (1 credit) Grade Method: REG/P-F.
Attendance is required the first day of class. Students must pay a $40 facility fee. Bowling shoes are required (can be rented). Schedule adjustment is the first week of classes only.

0001	Adam Amorese **Meets August 29, 2012 - October 19, 2012** TuTh 8:00am - 10:00am *This section is for KNES Majors only.*	Seats (Total: 40) SSU B106	Lab
0002	Adam Amorese **Meets October 22, 2012 - December 11, 2012** TuTh 8:00am - 10:00am *This section is for KNES Majors only.*	Seats (Total: 40) SSU B106	Lab

KNES137N **Physical Education Activities: Coed; Golf (Beginning)**

KNES137N Physical Education Activities: Coed: Golf (Beginning); (1 credit)
Grade Method: REG/P-F.
Attendance is required the first day of class. Schedule adjustment is the first week of class only. Students must pay a $40 facility fee directly to the golf course.

0001	Jeff Maynor **Meets August 29, 2012 - October 19, 2012** MW 10:00am - 12:00pm	Seats (Total: 25) GLF 1102	Lab

KNES137O **Physical Education Activities: Coed; Golf (Intermediate)**

KNES137O Physical Education Activities: Coed: Golf (Intermediate); (1 credit)
Grade Method: REG/P-F.
Attendance is required the first day of class. Schedule adjustment is the first week of class only. Students must pay a $40.00 facility fee directly to golf course.

0001	Jeff Maynor **Meets August 29, 2012 - October 19, 2012** MW 12:00pm - 2:00pm *This section is for KNES Majors only.*	Seats (Total: 25) GLF 1102	Lab

KNES140A **Physical Education Activities: Coed; General Gymnastics (Beginning)**

KNES140A Physical Education Activities: Coed: General Gymnastics (Beginning); (1 credit) Grade Method: REG/P-F.
Schedule Adjustment is the first week of classes only. Attendance is required the first day of class. Meets the second seven weeks only.

0001	Joshua Montfort	Seats (Total: 24)	
	Meets October 22, 2012 - December 11, 2012		
	MW 10:00am - 12:00pm	SPH 1120	Lab

KNES140V **Physical Education Activities: Coed; Tumbling and Balancing (Beginning)**

KNES140V Physical Education Activities: Coed: Tumbling and Balancing (Beginning); (1 credit) Grade Method: REG/P-F.
Schedule adjustment is the first week of classes only. Attendance is required beginning the first day of class. Meets the first seven weeks only.

0001	Joshua Montfort	Seats (Total: 24)	
	Meets August 29, 2012 - October 19, 2012		
	MW 10:00am - 12:00pm	SPH 1120	

KNES144Q **Physical Education Activities: Coed; Martial Arts, Karate (Beginning)**

KNES144Q Physical Education Activities: Coed: Martial Arts, Karate (Beginning); (2 credits) Grade Method: REG/P-F.
Attendance is required of all students beginning the first day of class.

0001	Kenneth Klotz	Seats (Total: 32)	
	MW 10:00am - 12:00pm	SPH 0107	Lab

KNES144R **Physical Education Activities: Coed; Intermediate Karate**

KNES144R Physical Education Activities: Coed: Intermediate Karate; (2 credits) Grade Method: REG/P-F.
Attendance on the first day of class is required.

0001	Kenneth Klotz	Seats (Total: 32)	
	MW 12:00pm - 2:00pm	SPH 0107	Lab
	This section is for KNES Majors only.		

KNES144T **Physical Education Activities: Coed; Self-Defense (Beginning)**

KNES144T Physical Education Activities: Coed: Self-Defense (Beginning); (2 credits) Grade Method: REG/P-F.
Attendance is required of all students beginning the first day of class.

0001	Kenneth Klotz	Seats (Total: 35)	
	MW 8:00am - 10:00am	SPH 0107	Lab

KNES152N **Physical Education Activities: Coed; Soccer (Beginning)**

KNES152N Physical Education Activities: Coed: Soccer (Beginning); (1 credit)
Grade Method: REG/P-F.
Schedule Adjustment Period is the first week of classes only. Students are required to attend classes beginning first day of classes.

0001	Julie Maier	Seats (Total: 24)	
	Meets August 29, 2012 - October 19, 2012		
	MW 12:00pm - 2:00pm	COL 1100D	

KNES152O **Physical Education Activities: Coed; Soccer (Intermediate)**

KNES152O Physical Education Activities: Coed: Soccer (Intermediate); (1 credit)
Grade Method: REG/P-F.
Attendence is required beginning the first day of class. Schedule adjustment is the first week of classes only.

0001	Julie Maier	Seats (Total: 24)	
	Meets October 22, 2012 - December 11, 2012		
	MW 12:00pm - 2:00pm	COL 1100D	Lab
	This section is for KNES Majors only.		

KNES154N **Physical Education Activities: Coed; Swimming (Beginning)**

KNES154N Physical Education Activities: Coed: Swimming (Beginning); (1 credit) Grade Method: REG/P-F.
Beginning Swimming is strictly for Non-swimmers. Attendence is required on the first day of class.

0001	Natalie Ferdinand	Seats (Total: 22)	
	MW 12:00pm - 1:15pm	ERC B0120	Lab

KNES154O **Physical Education Activities: Coed; Swimming (Intermediate)**

KNES154O Physical Education Activities: Coed: Swimming (Intermediate); (1 credit) Grade Method: REG/P-F.
Attendance on the first day of class is required of all students.

0001	Carrie Tupper	Seats (Total: 22)	
	TuTh 1:00pm - 2:15pm	ERC B0120	Lab
	This section is for KNES Majors only.		

KNES154P **Physical Education Activities: Coed; Swimming (Advanced)**

KNES154P Physical Education Activities: Coed: Swimming (Advanced); (2 credits) Grade Method: REG/P-F.
Attendance on the first day of class is required of all students.

0001	Natalie Ferdinand	Seats (Total: 22)	
	MW 9:00am - 11:00am	ERC B0120	Lab

KNES154W **Physical Education Activities: Coed; Swimming/Lifeguard Training**

KNES154W Physical Education Activities: Coed: Swimming/Lifeguard Training; (2 credits) Grade Method: REG/P-F.
Prerequisite: Advanced swimming ability. Attendance on the first day of class is required of all students. Students must qualify to stay in class by passing a swim test on the first day of class.

0001	Christopher Whipple	Seats (Total: 22)	
	MW 10:00am - 12:00pm	ERC B0120	Lab

KNES155N **Physical Education Activities: Coed; Tennis (Beginning)**

KNES155N Physical Education Activities: Coed: Tennis (Beginning); (1 credit)

Grade Method: REG/P-F.

Attendance is required of all students on the first day of class.

0001	Kristi Tredway **Meets August 29, 2012 - October 19, 2012** MW 10:00am - 12:00pm	Seats (Total: 32) COL 1100D	Lab
0002	Kristi Tredway **Meets August 29, 2012 - October 19, 2012** MW 12:00pm - 2:00pm	Seats (Total: 32) COL 1100D	Lab

KNES155O **Physical Education Activities: Coed; Tennis (Intermediate)**

KNES155O Physical Education Activities: Coed: Tennis (Intermediate); (1 credit)

Grade Method: REG/P-F.

Schedule Adjustment Period is the first week of class only. All students are required to attend the first day of class.

0002	Andrew Ginsberg **Meets August 29, 2012 - October 19, 2012** TuTh 2:00pm - 4:00pm *This section is for KNES Majors only.*	Seats (Total: 32) COL 1100D	Lab
0003	Kristi Tredway **Meets August 29, 2012 - October 19, 2012** MW 2:00pm - 4:00pm *This section is for KNES Majors only.*	Seats (Total: 32) COL 1100D	Lab
0004	Andrew Ginsberg **Meets August 29, 2012 - October 19, 2012** TuTh 10:00am - 12:00pm *This section is for KNES Majors only.*	Seats (Total: 32) COL 1100D	

KNES157N **Physical Education Activities: Coed; Weight Training (Beginning)**

KNES157N Physical Education Activities: Coed: Weight Training (Beginning); (1 credit) Grade Method: REG/P-F.
Attendance is required of all students beginning the first day of class.

0001	Adam Amorese MW 10:00am - 11:15am	Seats (Total: 32) SPH 0103	 Lab
0002	Laura Rush MW 1:00pm - 2:15pm	Seats (Total: 32) SPH 0103	 Lab
0003	Laura Rush MW 2:00pm - 3:15pm	Seats (Total: 32) SPH 0103	 Lab
0006	Andrew Ginsberg TuTh 4:00pm - 5:15pm	Seats (Total: 32) SPH 0103	 Lab

KNES157O **Physical Education Activities: Coed; Weight Training (Intermediate)**

KNES157O Physical Education Activities: Coed: Weight Training (Intermediate); (1 credit) Grade Method: REG/P-F.
Attendance on the first day of class is required of all students.

0001	Adam Amorese MW 11:00am - 12:15pm *This section is for KNES Majors only.*	Seats (Total: 32) SPH 0103	 Lab
0002	Laura Rush MW 12:00pm - 1:15pm *This section is for KNES Majors only.*	Seats (Total: 32) SPH 0103	 Lab
0003	Ronald Mower TuTh 12:00pm - 1:15pm *This sections is for KNES Majors only.*	Seats (Total: 32) SPH 0103	 Lab
0004	Jo Zimmerman TuTh 9:30am - 10:45am *This section is for KNES Majors only.*	Seats (Total: 32) SPH 0103	 Lab

KNES160N **Physical Education Activities: Coed; Volleyball (Beginning)**

KNES160N Physical Education Activities: Coed: Volleyball (Beginning); (1 credit) Grade Method: REG/P-F.
Schedule Adjustment Period is first week of class only. Attendance is required of all students on the first day of class.

0001	Andrew Ginsberg **Meets October 22, 2012 - December 11, 2012** MW 8:00am - 10:00am	Seats (Total: 36) SPH 2101	 Lab
0002	Andrew Ginsberg **Meets October 22, 2012 - December 11, 2012** MW 2:00pm - 4:00pm	Seats (Total: 36) SPH 2101	 Lab

KNES160O **Physical Education Activities: Coed; Volleyball (Intermediate)**

KNES160O Physical Education Activities: Coed: Volleyball (Intermediate); (1 credit) Grade Method: REG/P-F.
Schedule Adjustment Period is the first week of class only. All students are required to attend the first day ofclass.

0001	Andrea Romeo **Meets October 22, 2012 - December 11, 2012** MW 12:00pm - 2:00pm *This section is for KNES Majors only.*	Seats (Total: 36) SPH 2101	 Lab
0002	Andrew Ginsberg **Meets October 22, 2012 - December 11, 2012** TuTh 2:00pm - 4:00pm *This section is for KNES Majors only.*	Seats (Total: 36) SPH 2101	 Lab

KNES161F **Physical Education Activities: Coed; Yoga for Fitness (Beginning)**

KNES161F Physical Education Activities: Coed: Yoga for Fitness (Beginning); (1 credit) Grade Method: REG/P-F/AUD.
Attendance on the first day of class is required.

0001	Laura Rush	Seats (Total: 30)	
	TuTh 3:00pm - 4:15pm	SPH 0107	Lab
	This section is for KNES Majors only.		

KNES161N **Physical Education Activities: Coed; Conditioning (Beginning)**
Contact department for information to register for this course.

KNES161R **Physical Education Activities: Coed; Step Aerobics (Beginning)**

KNES161R Physical Education Activities: Coed: Step Aerobics (Beginning); (2 credits) Grade Method: REG/P-F.
Attendance is required beginning the first day of class. See KNES289W for a 2-credit lecture-activity class on personal fitness.

0001	Jennie Phillips	Seats (Total: 50)	
	TuTh 9:00am - 11:00am	ERC 0105	Lab

KNES200U **Introduction to Kinesiology**
Contact department for information to register for this course.

KNES240 **Exploring Cultural Diversity Through Movement**

KNES240 Exploring Cultural Diversity Through Movement; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course. GenEd: Diversity - Cultural Competency.
Cultural diversity through an analysis of the different meanings that movement activities serve within different cultural groups. Students will examine how cultural affiliations can influence why and how members of different cultural groups engage in movement activities.

0101	Marvin Scott	Seats (Total: 35)	
	TuTh 9:30am - 10:45am	JMP 1202	

KNES260 **Science of Physical Activity and Cardiovascular Health**

KNES260 Science of Physical Activity and Cardiovascular Health; (3 credits) Grade Method: REG/P-F. CORE Life Science (LS) Course. GenEd: Distributive Studies - Natural Sciences.
Course details (1) the public health importance of and the processes underlying cardiovascular disease, (2) the risk factors for cardiovascular disease and the methods whereby they were identified, and (3) the principles of the scientific evidence supporting the use of physical activity to prevent cardiovascular disease.

0101	James Hagberg MW 12:00pm - 12:50pm M 1:00pm - 1:50pm	Seats (Total: 20) CSS 2324 SPH 0223	 Discussion
0102	James Hagberg MW 12:00pm - 12:50pm M 2:00pm - 2:50pm	Seats (Total: 20) CSS 2324 SPH 0223	 Discussion
0103	James Hagberg MW 12:00pm - 12:50pm F 1:00pm - 1:50pm	Seats (Total: 20) CSS 2324 SPH 0223	 Discussion
0104	James Hagberg MW 12:00pm - 12:50pm F 2:00pm - 2:50pm	Seats (Total: 20) CSS 2324 SPH 0223	 Discussion

KNES282 **Basic Care and Prevention of Athletic Injuries**

KNES282 Basic Care and Prevention of Athletic Injuries; (3 credits) Grade Method: REG/P-F.
Credit only granted for: KNES282 or KNES381. Formerly: KNES381. Theoretical and practical foundations of the prevention, treatment and rehabilitation of athletically related injuries. Topics include: physical conditioning, preventive taping, recognition of injuries, first aid and CPR.

0101	John Bush MW 9:00am - 9:50am F 9:00am - 9:50am	Seats (Total: 20) SPH 0308 SPH 0301	 Lab
0102	John Bush MW 9:00am - 9:50am F 8:00am - 8:50am	Seats (Total: 20) SPH 0308 SPH 0301	 Lab

KNES287 **Sport and American Society**

KNES287 Sport and American Society; (3 credits) Grade Method: REG/P-F. CORE Behavioral and Social Science (SB) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - History and Social Sciences; Diversity - Understanding Plural Societies.

Sport will be related to such social problems as delinquency, segregation, collective behavior, and leisure; to social processes such as socialization, stratification, mobility, and social control; and to those familiar social institutions the family, the school, the church, the military, the economy, the polity, and the mass media.

0101	David Andrews MW 2:00pm - 2:50pm M 8:00am - 8:50am	Seats (Total: 22) SPH 1312 SPH 0303	 Discussion
0102	David Andrews MW 2:00pm - 2:50pm M 9:00am - 9:50am	Seats (Total: 22) SPH 1312 SPH 0303	 Discussion
0103	David Andrews MW 2:00pm - 2:50pm M 10:00am - 10:50am	Seats (Total: 22) SPH 1312 SPH 0303	 Discussion
0104	David Andrews MW 2:00pm - 2:50pm W 8:00am - 8:50am	Seats (Total: 22) SPH 1312 SPH 0303	 Discussion
0105	David Andrews MW 2:00pm - 2:50pm W 9:00am - 9:50am	Seats (Total: 22) SPH 1312 SPH 0303	 Discussion
0106	David Andrews MW 2:00pm - 2:50pm W 10:00am - 10:50am	Seats (Total: 22) SPH 1312 SPH 0303	 Discussion
0201	Adam Beissel Class time/details on ELMs Class time/details on ELMs *This section is restricted to Kinesiology and Phys Ed majors with sophomore standing.* *This section is taught online.*	Seats (Total: 75) ONLINE ONLINE	 Discussion

FC01	Adam Beissel	Seats (Total: 32)	
	TuTh 5:00pm - 6:15pm	SPH 0308	
	Restricted to students in Freshman Connection.		

KNES287U **Sport and American Society**
Contact department for information to register for this course.

KNES289 **Topical Investigations**

KNES289 *(PermReq)* **Topical Investigations; (1-3 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department.

Contact department for information to register for this course.

KNES289H **Genetically-Modified Humans: Physical Performance in the Post-Genomic-Era**

KNES289H Genetically-Modified Humans: Physical Performance in the Post-Genomic-Era; (3 credits) Grade Method: REG/P-F/AUD. CORE Life Science (LS) Course. CORE Diversity (D) Course. GenEd: Signature Courses - I-Series.

0101	Stephen Roth	Seats (Total: 20)	
	W 9:00am - 9:50am	CSS 2324	
	Class time/details on ELMs	ONLINE	
	M 1:00pm - 1:50pm	SPH 0303	Discussion

KNES289L **Topical Investigations; Golf for Business and Life**

KNES289L Topical Investigations: Golf for Business and Life; (3 credits) Grade Method: REG/P-F.
Students must pay a $50.00 Facility fee. This course gives students the oppurtunity to learn the basics of the golf swing, etiquette, and most importantly, how to use golf as a business tool regardless of their chosen careers. Kinesiology majors may use this course to fulfill 2 credits of physical activity at intermediate level.

0101	Jeff Maynor	Seats (Total: 24)	
	TuTh 3:30pm - 5:30pm	SPH 0303	

KNES289X **Genetically-Modified Humans: Physical Performance in the Post-Genomic-Era**

KNES289X Genetically-Modified Humans: Physical Performance in the Post-Genomic-Era; (3 credits) Grade Method: REG/P-F/AUD. CORE Life Science (LS) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - Natural Sciences; Signature Courses - I-Series.

0101	Stephen Roth W 9:00am - 9:50am Class time/details on ELMs M 9:00am - 9:50am	Seats (Total: 20) CSS 2324 ONLINE SPH 0305	Discussion
0102	Stephen Roth W 9:00am - 9:50am Class time/details on ELMs M 2:00pm - 2:50pm	Seats (Total: 20) CSS 2324 ONLINE SPH 0302	Discussion
0103	Stephen Roth W 9:00am - 9:50am Class time/details on ELMs M 10:00am - 10:50am	Seats (Total: 20) CSS 2324 ONLINE SPH 0305	Discussion

KNES289Z **Topical Investigations; The Kinesiology Major in the University**
Contact department for information to register for this course.

KNES293 **History of Sport in America**

KNES293 History of Sport in America; (3 credits) Grade Method: REG/P-F. CORE Social or Political History (SH) Course. GenEd: Distributive Studies - History and Social Sciences.
The growth and development of sport in America. The transformation of sport within the perspective of American history, including class sport, professionalization, amateurism, and international involvement.

0103	Damion Thomas MW 10:00am - 10:50am M 2:00pm - 2:50pm	Seats (Total: 22) SPH 1312 SPH 1302	Discussion
0104	Damion Thomas MW 10:00am - 10:50am M 3:00pm - 3:50pm	Seats (Total: 22) SPH 1312 SPH 0302	Discussion

0105	Damion Thomas MW 10:00am - 10:50am W 12:00pm - 12:50pm	Seats (Total: 22) SPH 1312 SPH 0303	 Discussion
0106	Damion Thomas MW 10:00am - 10:50am W 1:00pm - 1:50pm	Seats (Total: 22) SPH 1312 SPH 0303	 Discussion
FC01	Michael Friedman TuTh 3:30pm - 4:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 40) SPH 0308	

KNES293U **History of Sport in America**
Contact department for information to register for this course.

KNES300 **Biomechanics of Human Motion**

KNES300 Biomechanics of Human Motion; (4 credits) Grade Method: REG/P-F. *Prerequisite: BSCI201; and Must have completed MATH112 or MATH1115; or must have a math eligibility of MATH140 or higher. Recommended: PHYS121.* The study of human movement and the physical and physiological principles upon which it depends. Body mechanics, posture, motor efficiency, sports, the performance of a typical individual and the influence of growth and development upon motor performance.

0101	Rodolphe Gentili MW 3:00pm - 4:15pm Tu 8:00am - 10:00am	Seats (Total: 18) SPH 1312 SPH 0223	 Lab
0102	Rodolphe Gentili MW 3:00pm - 4:15pm Tu 10:00am - 12:00pm	Seats (Total: 18) SPH 1312 SPH 0223	 Lab
0103	Rodolphe Gentili MW 3:00pm - 4:15pm Tu 12:00pm - 2:00pm	Seats (Total: 18) SPH 1312 SPH 0223	 Lab
0104	Rodolphe Gentili MW 3:00pm - 4:15pm Tu 2:00pm - 4:00pm	Seats (Total: 18) SPH 1312 SPH 0223	 Lab

0105	Rodolphe Gentili MW 3:00pm - 4:15pm Th 8:00am - 10:00am	Seats (Total: 18) SPH 1312 SPH 0223	 Lab
0106	Rodolphe Gentili MW 3:00pm - 4:15pm Th 10:00am - 12:00pm	Seats (Total: 18) SPH 1312 SPH 0223	 Lab
0107	Rodolphe Gentili MW 3:00pm - 4:15pm Th 12:00pm - 2:00pm	Seats (Total: 18) SPH 1312 SPH 0223	 Lab
0108	Rodolphe Gentili MW 3:00pm - 4:15pm Th 2:00pm - 4:00pm	Seats (Total: 18) SPH 1312 SPH 0223	 Lab

KNES300H **Biomechanics of Human Motion**

KNES300H *(PermReq)* **Biomechanics of Human Motion; (4 credits)** Grade Method: REG/P-F.
Prerequisite: BSCI201; and Must have completed MATH112 or MATH1115; or must have a math eligibility of MATH140 or higher. Recommended: PHYS121. The study of human movement and the physical and physiological principles upon which it depends. Body mechanics, posture, motor efficiency, sports, the performance of a typical individual and the influence of growth and development upon motor performance. This section is restricted to students who have been admitted in the Kinesiology Honors program.

0101	Rodolphe Gentili MW 3:00pm - 4:15pm Contact instructor or department for details.	Seats (Total: 4) SPH 1312

KNES332 **Exercise Testing and Prescription for the Fitness Professional**

KNES332 Exercise Testing and Prescription for the Fitness Professional; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Minimum grade of C- in KNES360. Credit only granted for: KNES332 or KNES389G. Formerly: KNES389G. Practical applications of exercise physiology and psychology to target fitness instruction for the general adult population Includes discussion of certification standards and professional development as well as evaluation of program safety and current trends.

0101	Jo Zimmerman	Seats (Total: 35)
	Meets August 29, 2012 - October 19, 2012	
	MW 8:00am - 10:00am F 8:00am - 10:00am	SPH 1302 SPH 0103

KNES332H **Exercise Testing and Prescription for the Fitness Professional**

KNES332H *(PermReq)* **Exercise Testing and Prescription for the Fitness Professional; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: Minimum grade of C- in KNES360. Credit only granted for: KNES332 or KNES389G. Formerly: KNES389G. Practical applications of exercise physiology and psychology to target fitness instruction for the general adult population Includes discussion of certification standards and professional development as well as evaluation of program safety and current trends.

0101	Jo Zimmerman	Seats (Total: 3)
	Meets August 29, 2012 - October 19, 2012	
	MW 8:00am - 10:00am F 8:00am - 10:00am	SPH 1302 SPH 0103

KNES333 **Physical Activity for Students with Special Needs**

KNES333 Physical Activity for Students with Special Needs; (3 credits) Grade Method: REG.
Implications of Federal and State regulations for planning and implementing physical activity programs for students with special needs. Evaluation strategies for assessing motor performance and the role of physical activity in educational programs for these students.

0101	Dennis Vacante Th 7:00pm - 9:30pm	Seats (Total: 30) SPH 0308

KNES335 **Swimming Pool Management**

KNES335 Swimming Pool Management; (2 credits) Grade Method: REG/P-F. Analysis of the position of the swimming pool manager. The systematic treatment of swimming pool water; swimming pool first aid; and laws pertaining to swimming pool operation. Qualifies the student for a pool operator's license in most Maryland counties.

0101	Carrie Tupper, Christopher Whipple TuTh 9:30am - 10:20am	Seats (Total: 35) ERC B0132

KNES350 **The Psychology of Sports**

KNES350 The Psychology of Sports; (3 credits) Grade Method: REG/P-F. GenEd: Distributive Studies - History and Social Sciences.
An exploration of personality factors, including but not limited to motivation, aggression and emotion, as they affect sports participation and motor skill performance.

0101	Elizabeth Brown TuTh 4:00pm - 5:20pm *This section is for KNES Majors Only.*	Seats (Total: 120) MMH 1400
0201	J Carson Smith TuTh 8:00am - 9:20am	Seats (Total: 120) PHY 1410

KNES350H **The Psychology of Sports**

KNES350H *(PermReq)* **The Psychology of Sports; (3 credits)** Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - History and Social Sciences.
An exploration of personality factors, including but not limited to motivation, aggression and emotion, as they affect sports participation and motor skill performance. This section is restricted to students who have been admitted in the Kinesiology Honors program.

0101	Elizabeth Brown TuTh 4:00pm - 5:20pm	Seats (Total: 3) MMH 1400
0201	J Carson Smith TuTh 8:00am - 9:20am	Seats (Total: 3) PHY 1410

KNES355 **Sport Management**

KNES355 Sport Management; (3 credits) Grade Method: REG/P-F.
Prerequisite: KNES287. Restriction: Junior standing or higher. Credit only granted for: KNES355 or KNES498M. Formerly: KNES498M. Application of concepts and issues related to management principles and business concerns across various sections of the sport industry. Principles pertaining to the management of sport organizations.

0101	Stephen McDaniel TuTh 2:00pm - 3:15pm	Seats (Total: 32) SPH 0307

KNES355H **Sport Management**

KNES355H *(PermReq)* **Sport Management; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: KNES287. Restriction: Junior standing or higher. Credit only granted for: KNES355 or KNES498M. Formerly: KNES498M. Application of concepts and issues related to management principles and business concerns across various sections of the sport industry. Principles pertaining to the management of sport organizations. This section is restricted to students who have been admitted in the Kinesiology Honors program.

0101	Stephen McDaniel TuTh 2:00pm - 3:15pm	Seats (Total: 3) SPH 0307

KNES360 **Physiology of Exercise**

KNES360 Physiology of Exercise; (4 credits) Grade Method: REG/P-F.
Prerequisite: Minimum grade of C- in BSCI202 and BSCI201; or permission of SPHL-Kinesiology department. A study of the physiology of exercise, including concepts of work, muscular contraction, energy transformation, metabolism, oxygen debt, and nutrition and athletic performance. Emphasis on cardiovascular and respiratory function in relation to physical activity and training.

0101	Marc Rogers MWF 12:00pm - 12:50pm Tu 8:00am - 10:00am	Seats (Total: 18) SPH 1312 SPH 0124	 Lab
0102	Marc Rogers MWF 12:00pm - 12:50pm Tu 10:00am - 12:00pm	Seats (Total: 18) SPH 1312 SPH 0124	 Lab
0103	Marc Rogers MWF 12:00pm - 12:50pm Tu 12:00pm - 2:00pm	Seats (Total: 18) SPH 1312 SPH 0124	 Lab
0104	Marc Rogers MWF 12:00pm - 12:50pm Tu 2:00pm - 4:00pm	Seats (Total: 18) SPH 1312 SPH 0124	 Lab
0105	Marc Rogers MWF 12:00pm - 12:50pm Th 8:00am - 10:00am	Seats (Total: 18) SPH 1312 SPH 0124	 Lab
0106	Marc Rogers MWF 12:00pm - 12:50pm Th 10:00am - 12:00pm	Seats (Total: 18) SPH 1312 SPH 0124	 Lab
0107	Marc Rogers MWF 12:00pm - 12:50pm Th 12:00pm - 2:00pm	Seats (Total: 18) SPH 1312 SPH 0124	 Lab
0108	Marc Rogers MWF 12:00pm - 12:50pm Th 2:00pm - 4:00pm	Seats (Total: 18) SPH 1312 SPH 0124	 Lab

KNES360H Physiology of Exercise

KNES360H *(PermReq)* **Physiology of Exercise; (4 credits)** Grade Method: REG/P-F.
Prerequisite: Minimum grade of C- in BSCI202 and BSCI201; or permission of SPHL-Kinesiology department. A study of the physiology of exercise, including concepts of work, muscular contraction, energy transformation, metabolism, oxygen debt, and nutrition and athletic performance. Emphasis on cardiovascular and respiratory function in relation to physical activity and training. This section is restricted to students who have been admitted in the Kinesiology Honors program.

0101	Marc Rogers MWF 12:00pm - 12:50pm Contact instructor or department for details.	Seats (Total: 4) SPH 1312	

KNES370 **Motor Development**

KNES370 Motor Development; (3 credits) Grade Method: REG/P-F.
Motor development across the life span. The developmental sequences of motor skills from birth to old age; neuromaturation of neuromuscular system; analysis of the underlying mechanisms of motor skill development; and correlates of motor development.

BL01	Marcio Oliveira W 1:00pm - 1:50pm Class time/details on ELMs M 8:00am - 8:50am	Seats (Total: 18) SPH 1312 ONLINE SPH 0124	 Lab
BL03	Marcio Oliveira W 1:00pm - 1:50pm Class time/details on ELMs M 10:00am - 10:50am	Seats (Total: 18) SPH 1312 ONLINE SPH 0124	 Lab
BL04	Marcio Oliveira W 1:00pm - 1:50pm Class time/details on ELMs M 11:00am - 11:50am	Seats (Total: 18) SPH 1312 ONLINE SPH 0124	 Lab
BL05	Marcio Oliveira W 1:00pm - 1:50pm Class time/details on ELMs M 12:00pm - 12:50pm	Seats (Total: 18) SPH 1312 ONLINE SPH 0124	 Lab

KNES370H **Motor Development**

KNES370H *(PermReq)* **Motor Development; (3 credits)** Grade Method: REG/P-F. Motor development across the life span. The developmental sequences of motor skills from birth to old age; neuromaturation of neuromuscular system; analysis of the underlying mechanisms of motor skill development; and correlates of motor development. This section is restricted to students who have been admitted in the Kinesiology Honors program.

BL01	Marcio Oliveira W 1:00pm - 1:50pm Class time/details on ELMs Contact instructor or department for details.	Seats (Total: 4) SPH 1312 ONLINE	

KNES370U **Motor Development**
Contact department for information to register for this course.

KNES385 **Motor Control and Learning**

KNES385 Motor Control and Learning; (3 credits) Grade Method: REG/P-F. Physiological and cognitive bases for motor control and their applications to the acquisition of movement skills and understanding of movement disorders. Topics include: neurophysiology, motor control theory, sensory/perceptual processes, perception-action coupling, information processing, memory, attention, individual differences, motivation, practice organization and role of feedback.

0101	John Jeka MW 11:00am - 11:50am F 8:00am - 8:50am	Seats (Total: 18) SPH 1312 SPH 0124	 Lab
0102	John Jeka MW 11:00am - 11:50am F 9:00am - 9:50am	Seats (Total: 18) SPH 1312 SPH 0124	 Lab
0103	John Jeka MW 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 18) SPH 1312 SPH 0124	 Lab
0104	John Jeka MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 18) SPH 1312 SPH 0124	 Lab

0106	John Jeka MW 11:00am - 11:50am F 1:00pm - 1:50pm	Seats (Total: 18) SPH 1312 SPH 0124	 Lab
0108	John Jeka MW 11:00am - 11:50am M 1:00pm - 1:50pm	Seats (Total: 18) SPH 1312 SPH 0124	 Lab
0109	John Jeka MW 11:00am - 11:50am M 2:00pm - 2:50pm	Seats (Total: 18) SPH 1312 SPH 0124	 Lab
0110	John Jeka MW 11:00am - 11:50am M 3:00pm - 3:50pm	Seats (Total: 18) SPH 1312 SPH 0124	 Lab

KNES385H **Motor Control and Learning**

KNES385H *(PermReq)* **Motor Control and Learning; (3 credits)** Grade Method: REG/P-F.
Physiological and cognitive bases for motor control and their applications to the acquisition of movement skills and understanding of movement disorders. Topics include: neurophysiology, motor control theory, sensory/perceptual processes, perception-action coupling, information processing, memory, attention, individual differences, motivation, practice organization and role of feedback. This section is restricted to students who have been admitted in the Kinesiology Honors program.

0101	John Jeka MW 11:00am - 11:50am Contact instructor or department for details.	Seats (Total: 8) SPH 1312

KNES386 **Experiential Learning**

KNES386 Experiential Learning; (3 credits) Grade Method: REG/P-F.
Prerequisite: Must have completed three KNES core classes. Restriction: Junior standing or higher. Explore and analyze concepts and procedures related to a quality service-learning experience to include planning, implementing, and evaluating a service-learning project. Click here for more course information.

0101	Marvin Scott TuTh 12:30pm - 1:45pm Class time/details on ELMs	Seats (Total: 20) SPH 0303 ONLINE

KNES389 **Topical Investigations**

KNES389 *(PermReq)* **Topical Investigations; (1-3 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of instructor and department.

Contact department for information to register for this course.

KNES389E **Topical Investigations; Children's Development Clinic**

KNES389E Topical Investigations: Children's Development Clinic; (1 credit) Grade Method: REG/P-F/AUD.

0101	Dennis Vacante Sa 8:30am - 12:30pm	Seats (Total: 30) SPH 0103

KNES389K **Topical Investigations; Kinesiological Science Internship**

KNES389K *(PermReq)* **Topical Investigations: Kinesiological Science Internship; (3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of instructor and department.

Contact department for information to register for this course.

KNES390 **Practicum/Internship in Teaching Physical Education**

KNES390 *(PermReq)* **Practicum/Internship in Teaching Physical Education; (3 credits)** Grade Method: REG.
Corequisite: Concurrently enrolled in KNES491. Teaching of children in a physical education setting. Specific emphasis on the development of a professional portfolio demonstrating understanding of curriculum development, lesson planning, progressions and evaluation of teaching performance. Departmental permission required.

0101	Ana Palla-Kane W 1:30pm - 2:45pm Contact instructor or department for details.	Seats (Total: 1) SPH 0124

KNES440 **Psychology of Athletic Performance**

KNES440 Psychology of Athletic Performance; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: KNES350. Restriction: Junior standing or higher. Credit only granted for: KNES498P, KNES689Z, or KNES440. Formerly: KNES498P. Examines the psychological factors, mechanisms, and processes in athletic performance. Utilizes a social psychological approach to focus on the study and review of individual performance in both the interpersonal and social context.

0101	Seppo Iso-Ahola M 4:00pm - 6:35pm	Seats (Total: 30) SPH 1302

KNES440H **Psychology of Athletic Performance**

KNES440H *(PermReq)* **Psychology of Athletic Performance; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: KNES350. Restriction: Junior standing or higher. Credit only granted for: KNES498P, KNES689Z, or KNES440. Formerly: KNES498P. Examines the psychological factors, mechanisms, and processes in athletic performance. Utilizes a social psychological approach to focus on the study and review of individual performance in both the interpersonal and social context. This section is restricted to students who have been admitted in the Kinesiology Honors program.

0101	Seppo Iso-Ahola M 4:00pm - 6:35pm	Seats (Total: 3) SPH 1302

KNES451 **Children and Sport: A Psychosocial Perspective**

KNES451 Children and Sport: A Psychosocial Perspective; (3 credits) Grade Method: REG/P-F.
Prerequisite: KNES350. Restriction: Junior standing or higher. Examination of youth sports from a psychosocial perspective, including the impact of highly structured sports on young athletes and the complex social network of coaches, parents and peers.

0101	Elizabeth Brown TuTh 11:00am - 12:15pm	Seats (Total: 30) SPH 0305

KNES451H **Children and Sport: A Psychosocial Perspective**

KNES451H *(PermReq)* **Children and Sport: A Psychosocial Perspective; (3 credits)** Grade Method: REG/P-F.
Prerequisite: KNES350. Restriction: Junior standing or higher. Examination of youth sports from a psychosocial perspective, including the impact of highly structured sports on young athletes and the complex social network of coaches, parents and peers. This section is restricted to students who have been admitted in the Kinesiology Honors program.

0101	Elizabeth Brown TuTh 11:00am - 12:15pm	Seats (Total: 3) SPH 0305

KNES457 **Managing Youth Programs: Educational, Fitness and Sport**

KNES457 Managing Youth Programs: Educational, Fitness and Sport; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: KNES370 and KNES287. Restriction: Junior standing or higher. Credit only granted for: KNES457 or KNES498Y. Formerly: KNES498Y. An examination of the basic functions involved in managing physical education, fitness, and youth sports programs. Focus on leadership skills, organizational management, and techniques for applying learned skills in a variety of organizational settings that serve the nation's youth.

0101	Marvin Scott MWF 11:00am - 11:50am	Seats (Total: 35) SPH 0302

KNES461 **Exercise and Body Composition**

KNES461 Exercise and Body Composition; (3 credits) Grade Method: REG/P-F.
Prerequisite: KNES360. An in-depth overview on how body composition is measured, what it is composed of, and the physiological and biochemical signals that change it. The effects of acute and chronic exercise on food storage, breakdown, and use as an energy source, is the major focus. This information is applied to important issues in public health and athletic performance.

0101	Ben Hurley TuTh 8:00am - 9:15am	Seats (Total: 32) SPH 0307

KNES461H **Exercise and Body Composition**

KNES461H *(PermReq)* **Exercise and Body Composition; (3 credits)** Grade Method: REG/P-F.
Prerequisite: KNES360. An in-depth overview on how body composition is measured, what it is composed of, and the physiological and biochemical signals that change it. The effects of acute and chronic exercise on food storage, breakdown, and use as an energy source, is the major focus. This information is applied to important issues in public health and athletic performance. This section is restricted to students who have been admitted in the Kinesiology Honors program.

0101	Ben Hurley TuTh 8:00am - 9:15am	Seats (Total: 3) SPH 0307

KNES462 **Neural Basis of Human Movement**

KNES462 Neural Basis of Human Movement; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: BSCI202, KNES385, and BSCI201; or permission of SPHL-Kinesiology department. An introduction to the neural substrates which underlie postural and volitional movement. Neuroanatomical and neurophysiological basis of motor functioning; past and present conceptualizations of motor control and coordination; movement disorders; and maturation of the neuromuscular system.

0101	Rodolphe Gentili MW 1:00pm - 1:50pm Class time/details on ELMs	Seats (Total: 35) SPH 1301 ONLINE

KNES463 **Principles and Methods of Physical Activity Interventions**

KNES463 Principles and Methods of Physical Activity Interventions; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: KNES360 and KNES350. Credit only granted for: KNES463 or KNES498G. Formerly: KNES489G. Understanding of the planning, implementation, and evaluation of physical activity interventions. Intervention methods and practical strategies fo formulate well-conceived physical activity interventions across a variety of settings and participant populations.

0101	Jennie Phillips	Seats (Total: 35)
	TuTh 2:00pm - 3:15pm	SPH 1302

KNES476 **Honors Thesis Proposal**

KNES476 *(PermReq)* **Honors Thesis Proposal; (3 credits)** Grade Method: REG.
Corequisite: Concurrently enrolled in KNES478. Restriction: Must be a KNES Honors student; and Senior standing. Credit only granted for: KNES476 or KNES498R. Formerly: KNES498R. Development of honors thesis proposal based on preliminary research and literature review. Presentation of formal proposal to the thesis committee and fellow honors students.

0101	Espen Spangenburg	Seats (Total: 10)
	F 10:00am - 10:50am	SPH 0301
	Contact instructor or department for details.	

KNES478 **Honors Seminar**

KNES478 *(PermReq)* **Honors Seminar; (1 credit)** Grade Method: REG.
Continuing KNES Honors Students must enroll in KNES478 every semester they are in the program.

0101	Espen Spangenburg	Seats (Total: 20)
	F 11:00am - 11:50am	SPH 0301

KNES483 **Sport Marketing and Media**

KNES483 Sport Marketing and Media; (3 credits) Grade Method: REG.
Prerequisite: KNES287. Restriction: Junior standing or higher. Industry practices in sport marketing and media. Marketing strategies and consumer behavior in different sport contexts. Critical examination of selected social and economic issues related to the buying and selling of sport.

0101	Stephen McDaniel TuTh 11:00am - 12:15pm	Seats (Total: 32) SPH 0307

KNES483H **Sport Marketing and Media**

KNES483H *(PermReq)* **Sport Marketing and Media; (3 credits)** Grade Method: REG/AUD.
Prerequisite: KNES287. Restriction: Junior standing or higher. Industry practices in sport marketing and media. Marketing strategies and consumer behavior in different sport contexts. Critical examination of selected social and economic issues related to the buying and selling of sport. This section is restricted to students who have been admitted in the Kinesiology Honors program.

0101	Stephen McDaniel TuTh 11:00am - 12:15pm	Seats (Total: 3) SPH 0307

KNES497 **Kinesiology Senior Seminar**

KNES497 Kinesiology Senior Seminar; (3 credits) Grade Method: REG. CORE Capstone (CS) Course. GenEd: Distributive Studies - Scholarship in Practice.
Prerequisite: A professional writing coure with a (C-) or better; all 7 KNES core and 2 KNES options. 100 semester hours. And STAT100; or students who have taken courses with similar or comparable course content may contact the department.
Discussions of contemporary issues vital to the discipline, critiques of research in the student's area/areas of special interest, completion of a major project where the student will be asked to demonstrate the ability to carry out investigative processes in problem solving and critical writing under faculty direction. Click here for description.

0101	James Hagberg, Lisa Guth Th 8:00am - 10:30am *Physical Activity and the Obesity and Diabetes Epidemic.*	Seats (Total: 15) PLS 1146
0102	Eva Chin Tu 4:00pm - 6:30pm *Adaptations of Skeletal Muscle with Disease and Exercise Training*	Seats (Total: 15) SPH 0223
0104	Adam Beissel Th 4:00pm - 6:30pm *Socio-Historical Aspects of Sports & Physical Culture*	Seats (Total: 15) SPH 0124

0105	Rodolphe Gentili Th 4:00pm - 6:30pm *Rehabilitation and Motor Control*	Seats (Total: 15) SPH 0223

KNES498 **Special Topics in Kinesiology**

KNES498 Special Topics in Kinesiology; (3 credits) Grade Method: REG/P-F/AUD.

2401	Elizabeth Brown Contact instructor or department for details.	Seats (Total: 10)

KNES498A **Special Topics in Kinesiology; Foundations of Public Health in Kinesiology**

KNES498A Special Topics in Kinesiology: Foundations of Public Health in Kinesiology; (3 credits) Grade Method: REG/P-F/AUD.

0101	Shannon Jette TuTh 2:00pm - 3:15pm	Seats (Total: 35) SPH 0308

KNES498F **Special Topics in Kinesiology; Exercise and Aging**

KNES498F Special Topics in Kinesiology: Exercise and Aging; (3 credits) Grade Method: REG/AUD.
Prerequisite: KNES360.
Click here for more course information.

0101	Marc Rogers TuTh 12:30pm - 1:45pm	Seats (Total: 30) SPH 0305

KNES498K **Special Topics in Kinesiology; Sport and the Civil Rights Movement**

KNES498K Special Topics in Kinesiology: Sport and the Civil Rights Movement; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: KNES293 and junior standing. Also offered as KNES689Q. Click here for more information about this course, which will lead to the Department of Kinesiology website.

0101	Damion Thomas MW 2:00pm - 3:15pm Class time/details on ELMs	Seats (Total: 30) SPH 0305 ONLINE

KNES498T **Special Topics in Kinesiology; Principles and Applications of Exercise Rehabilitation**

KNES498T Special Topics in Kinesiology: Principles and Applications of Exercise Rehabilitation; (3 credits) Grade Method: REG/P-F/AUD. Prerequisites: KNES300/KNES300H and KNES360/KNES360H. Click here for more information about this course.

0101	Larry Plotkin TuTh 8:00am - 9:15am	Seats (Total: 35) SPH 0305

KNES600 **Kinesiology in Public Health**

KNES600 Kinesiology in Public Health; (3 credits) Grade Method: REG/AUD.
A broad introduction to public health within the context of the discipline of kinesiology, focusing on furthering the understanding of the ways kinesiology contributes toward achieving the goals of public health.

0101	Shannon Jette Tu 4:00pm - 6:45pm	Seats (Total: 15) SPH 2334

KNES609 **Research Issues in Kinesiology**

KNES609 *(PermReq)* **Research Issues in Kinesiology; (1 credit)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

KNES614 **Cultural Studies and Physical Culture**

KNES614 Cultural Studies and Physical Culture; (3 credits) Grade Method: REG/AUD.
Credit only granted for: KNES614 or KNES689P. Formerly: KNES689P. Discusses the political commitments, constituents, and complexities of cultural studies, and their relevance for furthering the understanding of physical culture and the project of physical cultural studies.

0101	David Andrews W 4:00pm - 6:30pm	Seats (Total: 15) SPH 2334	

KNES618 **Current Readings in Exercise and Applied Physiology**

KNES618 Current Readings in Exercise and Applied Physiology; (1 credit) Grade Method: REG/AUD.

0101	Espen Spangenburg Class time/details on ELMs F 1:00pm - 1:50pm	Seats (Total: 12) ONLINE SPH 2334	 Discussion

KNES660 **Psychology of Athletic Performances**

KNES660 Psychology of Athletic Performances; (3 credits) Grade Method: REG/AUD.
Prerequisite: KNES350. Credit only granted for: KNES660 or KNES689Z. Formerly: KNES689Z. Psychological factors, mechanisms, and processes in athletic performance. The basic approach is social psychological, according to which the focus is on individual performance in the interpersonal athletic context. Intrapersonal and interpersonal factors and their effects on athletic performance. Psychology of peak performance, choking, and errors of mental control. Analysis of the general principles and types of mental training.

0101	Seppo Iso-Ahola M 4:00pm - 6:35pm	Seats (Total: 30) SPH 1302

KNES689 **Special Problems in Kinesiology**

KNES689 *(PermReq)* **Special Problems in Kinesiology; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

KNES689A **Special Problems in Kinesiology; Assessing Learning in Physical Education**

KNES689A Special Problems in Kinesiology: Assessing Learning in Physical Education; (3 credits) Grade Method: REG/AUD.
A study of the principles and techniques of educational measurement used to evaluate student learning in the cognitive, psychomotor and affective domains within the context of teaching effectiveness. Students will develop research proposals for implementation during the second half of their teaching internship.

IHP1	Dena Deglau	Seats (Total: 15)
	W 9:00am - 12:00pm	SPH 0223

KNES689Q **Special Problems in Kinesiology; Sport and the Civil Rights Movement**

KNES689Q Special Problems in Kinesiology: Sport and the Civil Rights Movement; (3 credits) Grade Method: REG/AUD.
Also offered as KNES498K. Click here for more information about this course, which will lead to the Department of Kinesiology website.

0101	Damion Thomas	Seats (Total: 5)
	MW 2:00pm - 3:15pm	SPH 0301

KNES689T **Special Problems in Kinesiology; Teaching Internship**

KNES689T *(PermReq)* **Special Problems in Kinesiology: Teaching Internship; (1-6 credits)** Grade Method: REG/AUD.
Outreach Secondary MCERT- KNES. Departmental permission required.

CE01	Dena Deglau	Seats (Total: 10)
	Contact instructor or department for details.	

KNES689X **Special Problems in Kinesiology; Exercise and Brain Health**

KNES689X Special Problems in Kinesiology: Exercise and Brain Health; (3 credits) Grade Method: REG/AUD.
A critical review of the evidence, from animal models to human MRI, for exercise to affect brain function and brain health; the neurophysiological mechanisms of exercise to alter neuronal function, including its potential neurogenic and angiogenic effects, with a focus on putative adaptations within brain networks related to emotion, memory, and executive function after acute and chronic exercise in health and disease.

0101	J Carson Smith	Seats (Total: 15)
	W 4:00pm - 6:35pm	SPH 0307

KNES694 **Metabolic Aspects of Exercise Physiology**

KNES694 Metabolic Aspects of Exercise Physiology; (3 credits) Grade Method: REG/AUD.
Prerequisite: KNES360. Recommended: BCHM462 and BCHM461. Effects of exercise on digestion, absorption, transport, storage, mobilization, and utilization of macronutrients. Emphasis on the effects of exercise training on energy metabolism.

0101	Espen Spangenburg	Seats (Total: 15)
	Th 4:00pm - 6:45pm	SPH 1302

KNES789 **Advanced Seminar**

KNES789 Advanced Seminar; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

KNES798 **Internship in Physical Education/Sports Management**

KNES798 Internship in Physical Education/Sports Management; (1-8 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

KNES799 **Master's Thesis Research**

KNES799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

KNES898 **Pre-Candidacy Research**

KNES898 *(PermReq)* **Pre-Candidacy Research; (1-8 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

KNES899 **Doctoral Dissertation Research**

KNES899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

KORA Korean Fall 2012

KORA101 **Elementary Korean I**

KORA101 *(PermReq)* **Elementary Korean I; (3 credits)** Grade Method: REG. *Prerequisite: Permission of ARHU-School of Languages, Literatures, and Cultures department. Restriction: Must be a non-Heritage student with no background in Korean.* Introduction to the Korean language. Primary emphasis on oral skills, but Hangul, the Korean alphabet, will also be introduced. Click here for more KORA course information.

0101	Younghi Ramsey	Seats (Total: 15)
	TuTh 2:00pm - 3:15pm	JMZ 0118

KORA201 **Intermediate Korean I**

KORA201 Intermediate Korean I; (3 credits) Grade Method: REG. CORE Humanities (HO) Course.
Prerequisite: KORA102; or permission of instructor. An intermediate-level course designed for non-Heritage students. It begins the second year of instruction in the University's two-track Korean Program.

0101	Younghi Ramsey	Seats (Total: 15)
	TuTh 9:30am - 10:45am	JMZ 1224

KORA211 **Introductory Reading for Speakers of Korean I**

KORA211 Introductory Reading for Speakers of Korean I; (3 credits) Grade Method: REG. CORE Humanities (HO) Course.
Prerequisite: Permission of ARHU-School of Languages, Literatures, and Cultures department. Restriction: Must not have completed two or more years of schooling in Korea. Designed to improve the language skills of students already conversant in Korean; instruction entirely in Korean; introduction in hangul; reading and writing of simple journal entries.

0101	Younghi Ramsey	Seats (Total: 15)
	Tu 11:00am - 12:15pm	JMZ 3118
	Th 11:00am - 12:15pm	JMZ 3118

KORA311 **Korean for Heritage Speakers, Advanced-Low I**

KORA311 Korean for Heritage Speakers, Advanced-Low I; (3 credits) Grade Method: REG.
Prerequisite: KORA212; or permission of instructor. Restriction: Not open to students who have completed six or more years of schooling in Korea. Begins the second year of Heritage-language instruction in the University's two-track Korean Program.

0101	Younghi Ramsey	Seats (Total: 15)
	TuTh 3:30pm - 4:45pm	JMZ 3118

KORA499 **Independent Study Korean**

KORA499 *(PermReq)* **Independent Study Korean; (1-3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

LARC Landscape Architecture Fall 2012

LARC120 **Digital Fundamentals**

LARC120 *(PermReq)* **Digital Fundamentals; (2 credits)** Grade Method: REG.
Restriction: Permission of AGNR-Plant Science & Landscape Architecture department; and must be in Landscape Architecture program. An introduction to fundamental computer tools and techniques commonly used in design communication and landscape architecture practice. Non-drafting computer tools will be used to orient basic digital image capture, manipulation, and presentation formatting.

0101	Douglas Davies M 2:00pm - 2:50pm M 3:00pm - 5:30pm	Seats (Total: 20) PLS 2137 PLS 2137	 Lab
0102	Douglas Davies W 2:00pm - 2:50pm W 3:00pm - 5:30pm	Seats (Total: 20) PLS 2137 PLS 2137	 Lab

LARC141 **Design Fundamentals Studio**

LARC141 *(PermReq)* **Design Fundamentals Studio; (4 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: LARC140. Recommended: Concurrently enrolled in LARC263. Restriction: Permission of AGNR-Plant Science & Landscape Architecture department; and Sophomore standing or higher; and must be in Landscape Architecture program. Fundamentals of basic design focusing on creative problem solving associated with landscape architecture.

0101	Kelly Cook TuTh 2:00pm - 3:15pm TuTh 3:30pm - 4:50pm	Seats (Total: 15) PLS 1162 PLS 2152	 Lab

LARC160 **Introduction to Landscape Architecture**

LARC160 Introduction to Landscape Architecture; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course. GenEd: Distributive Studies - Humanities or Distributive Studies - Scholarship in Practice.
History, theory, philosophy and current practice of the profession of landscape architecture. Explores the interactive relationship between humans and their environment by examining people's perceptions of and changing attitude towards the landscape, as well as, an examination of how these are related to ecological and cultural influences.

0101	Christopher Ellis MW 12:00pm - 12:50pm M 2:00pm - 2:50pm	Seats (Total: 20) MMH 1400 PLS 1113	 Discussion
0102	Christopher Ellis MW 12:00pm - 12:50pm M 3:00pm - 3:50pm	Seats (Total: 20) MMH 1400 PLS 1113	 Discussion

0103	Christopher Ellis MW 12:00pm - 12:50pm Tu 11:00am - 11:50am	Seats (Total: 20) MMH 1400 PLS 1113	Discussion
0104	Christopher Ellis MW 12:00pm - 12:50pm Tu 12:30pm - 1:20pm	Seats (Total: 20) MMH 1400 PLS 1113	Discussion
0105	Christopher Ellis MW 12:00pm - 12:50pm W 2:00pm - 2:50pm	Seats (Total: 20) MMH 1400 PLS 1113	Discussion
0106	Christopher Ellis MW 12:00pm - 12:50pm Th 12:30pm - 1:20pm	Seats (Total: 20) MMH 1400 PLS 1113	Discussion
FC01	Colleen Vacelet MW 6:00pm - 7:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 20) PLS 1117	

LARC263 **History of Landscape Architecture**

LARC263 History of Landscape Architecture; (3 credits) Grade Method: REG/P-F/AUD. CORE History or Theory of Arts (HA) Course. GenEd: Distributive Studies - Humanities.
A survey of landscape architecture history from the ancient Western civilizations to the twentieth century with consideration of parallel developments in the Eastern World, European Africa and the Americas.

0101	Kelly Cook TuTh 9:30am - 10:45am	Seats (Total: 20) PLS 1119	
0102	Kelly Cook TuTh 9:30am - 10:45am *This section is for LARC Majors only.*	Seats (Total: 20) PLS 1119	

LARC320 **Principles of Site Engineering**

LARC320 *(PermReq)* **Principles of Site Engineering; (3 credits)** Grade Method: REG.
Prerequisite: LARC221. Corequisite: Concurrently enrolled in LARC340. Restriction: Must be in Landscape Architecture program; and Junior standing or higher. Also offered as: PLSC320. The study and application of landscape construction principles as applied to grading, drainage, site layout, storm water management, and vehicular and pedestrian circulation.

0101	John Leonard	Seats (Total: 20)	
	TuTh 8:00am - 9:15am	PLS 1115	
	Th 9:30am - 10:45am	PLS 2150	Lab

LARC340 **Site Planning and Design Studio**

LARC340 *(PermReq)* **Site Planning and Design Studio; (5 credits)** Grade Method: REG.
Prerequisite: LARC221; and LARC240; and LARC265. Corequisite: Concurrently enrolled in LARC320. Restriction: Must be in Landscape Architecture program; and Junior standing or higher. An examination of the influence of landscape character and site features (natural and cultural) on landscape architecture, architecture and planning through application in the studio setting.

0101	Dennis Nola	Seats (Total: 17)	
	MW 1:00pm - 1:50pm	PLS 1172	
	MW 2:00pm - 4:50pm	PLS 2150	Lab

LARC389 **Internship in Landscape Architecture**

LARC389 *(PermReq)* **Internship in Landscape Architecture; (3 credits)** Grade Method: REG.

0101	Steven Cohan	Seats (Total: 15)
	W 9:00am - 9:50am	PLS 1119
	Contact instructor or department for details.	

LARC420 **Professional Practice**

LARC420 *(PermReq)* **Professional Practice; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: LARC321. Restriction: Must be in Landscape Architecture program. An introduction to and comparative study of the professional concerns of design firms. Focus on planning, legal, ethical, marketing and management considerations of interdisciplinary practices.

0101	Dennis Nola	Seats (Total: 30)	
	Th 9:30am - 12:15pm	PLS 1115	Lab

LARC440 **Urban Studio Design**

LARC440 *(PermReq)* **Urban Studio Design; (5 credits)** Grade Method: REG.
Prerequisite: LARC321; and LARC340; and LARC341. Restriction: Must be in Landscape Architecture program. The landscape architect's role within the interdisciplinary urban design process, focusing on urban site design issues. Pedestrian friendly site design and the future of sustainable development will be studied.

0101	Jack Sullivan	Seats (Total: 17)	
	TuTh 1:00pm - 1:50pm	PLS 2148	
	TuTh 2:00pm - 4:50pm	PLS 2148	Lab

LARC450 **Environmental Resources**

LARC450 *(PermReq)* **Environmental Resources; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ENST200; or permission of AGNR-Plant Science & Landscape Architecture department. A review of ecosystems and an examination of planning strategies for preservation, conservation, management and development of sensitive natural and cultural landscape resources in the mid-Atlantic region. Two all day Friday field trips are required. Dates to be announced later.

0101	David Myers	Seats (Total: 23)	
	MW 10:00am - 10:50am	PLS 1113	
	F 10:00am - 10:50am	PLS 1113	
	Contact instructor or department for details.		

LARC470 **Landscape Architecture Seminar**

LARC470 *(PermReq)* **Landscape Architecture Seminar; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: LARC321; and LARC341. Corequisite: Concurrently enrolled in LARC440. Restriction: Senior standing; and must be in Landscape Architecture program. A combination of self-directed study, seminar, and lecture formats. An introduction to aspects of research methods, critical analysis, and proposal writing with a focus on urban and community design.

0101	Ann Anderson	Seats (Total: 20)	
	Tu 9:30am - 12:15pm	PLS 1115	

LARC499 **Independent Studies in Landscape Architecture**

LARC499 *(PermReq)* **Independent Studies in Landscape Architecture; (1-4 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

LARC620 **Graphic Tools for Landscape Representation**

LARC620 Graphic Tools for Landscape Representation; (3 credits) Grade Method: REG/AUD.
Corequisite: Concurrently enrolled in LARC640. Restriction: Permission of AGNR-Plant Science & Landscape Architecture department. This course integrates digital amd analog methods of communication and provides an introduction to computer tools and techniques commonly used in landscape architecture practice. Non-drafting computer tools will be used to orient basic digital image capture, manipulation, and presentation formatting. Also includes techniques and application of various media for graphic communication associated with landscape architecture.

0101	Jack Sullivan	Seats (Total: 10)	
	TuTh 10:00am - 10:50am	PLS 1144	
	TuTh 11:00am - 12:00pm	PLS 1144	Lab

LARC640 **Graduate Studio I**

LARC640 Graduate Studio I; (5 credits) Grade Method: REG/AUD.
Corequisite: Concurrently enrolled in LARC620. Restriction: Permission of AGNR-Plant Science & Landscape Architecture department. Principles and techniques of design as applied to shaping the landscape; developing concepts in visual thinking, environmental awareness, and design intervention through studio exercises and projects.

0101	Byoung-Suk Kweon	Seats (Total: 10)	
	TuTh 1:00pm - 1:50pm	PLS 1142	
	TuTh 2:00pm - 4:50pm	PLS 1142	Lab

LARC642 **Graduate Studio III**

LARC642 Graduate Studio III; (5 credits) Grade Method: REG/AUD.
Prerequisite: LARC641. Corequisite: Concurrently enrolled in LARC670. Restriction: Permission of AGNR-Plant Science & Landscape Architecture department. A focus on the interaction of landscape science (hydrology, geology, etc.) with the necessities and mechanisms of human settlements (transportation, economics, etc.) emphasizing innovative and forward thinking solutions to urbanization and ecological problems. It will apply this knowledge to landscape analysis, recreational planning and design, and community development, emphasizing resource management, spatial organization, landscape character, and the physical and social structure of community services. This course will be required for both Trach 1 and Track 2 students.

0101	Christopher Ellis	Seats (Total: 10)	
	MW 2:00pm - 2:50pm	PLS 2154	
	MW 3:00pm - 5:50pm	PLS 2154	Lab

LARC670 **Landscape Architecture Theory and Criticism**

LARC670 Landscape Architecture Theory and Criticism; (3 credits) Grade Method: REG/AUD.
Restriction: Permission of AGNR-Plant Science & Landscape Architecture department. Review and analysis of the body of literature concerning landscape architecture and relationships between humans and both natural and designed environments. Topics may include: rationalism, ethics, aesthetics, social and economic values, postmodernism, feminist, multiculturalism, ecological determinism, preservation/conservation, and sustainability and ecological design. Each week students will lead a debate and discussion on a theoretical issue based on the assigned readings for that week.

0101	Kelly Cook	Seats (Total: 10)
	M 9:00am - 11:50am	PLS 0104

LARC689A **Special Topics in Landscape Architecture; Sustainable Context Sensitive Strategies for Land Use: Development, Design and Transportation**

LARC689A *(PermReq)* **Special Topics in Landscape Architecture: Sustainable Context Sensitive Strategies for Land Use: Development, Design and Transportation; (3 credits)** Grade Method: REG/AUD.
Also offered as RDEV689G and URSP688I.

0101	Jack Sullivan, Hiroyuki Iseki, Margaret McFarland	Seats (Total: 23)
	Th 7:00pm - 9:45pm	ARC 1101

LARC721 **Landscape Construction Methods and Materials**

LARC721 Landscape Construction Methods and Materials; (3 credits) Grade Method: REG/AUD.
Prerequisite: LARC720. Restriction: Permission of AGNR-Plant Science & Landscape Architecture department. Basic methods of constructing landscapes and manipulatiing the appropriate plant and inorganicc materials for the creation of ecologically sustainable environments for human use. An examination of the use, properties, and detailing of materials used in landscape construction.

0101	Arlie Ison	Seats (Total: 10)
	Tu 8:00am - 9:15am	PLS 1117
	Tu 9:30am - 10:45am	PLS 1117

LARC748 **Advanced Special Topics Studio**

LARC748 Advanced Special Topics Studio; (6 credits) Grade Method: REG/AUD.

0101	Victoria Chanse	Seats (Total: 10)	
	TuTh 1:00pm - 2:15pm	PLS 2156	
	TuTh 2:30pm - 5:50pm	PLS 2156	Lab

LARC799 **Master's Thesis Research**

LARC799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

LASC Certificate in Latin American Studies Fall 2012

LASC234 **Issues in Latin American Studies I**

LASC234 Issues in Latin American Studies I; (3 credits) Grade Method: REG. CORE Humanities (HO) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - History and Social Sciences or Distributive Studies - Humanities; Diversity - Understanding Plural Societies.
Also offered as: SPAN234, PORT234. Credit only granted for: LASC234, SPAN234, or PORT234. Interdisciplinary study of major issues in Latin America and the Caribbean, including Latin America's cultural mosaic, migration and urbanization. Democratization and the role of religions. Taught in English.

0101	Talia Guzman-Gonzalez	Seats (Total: 35)
	TuTh 2:00pm - 3:15pm	JMZ 2206
0201	Beatrice Gurwitz	Seats (Total: 30)
	MW 11:00am - 12:15pm	HBK 0115

LASC234H **Issues in Latin American Studies I**

LASC234H Issues in Latin American Studies I; (3 credits) Grade Method: REG. CORE Humanities (HO) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - History and Social Sciences or Distributive Studies - Humanities; Diversity - Understanding Plural Societies.
Also offered as: SPAN234, PORT234. Credit only granted for: LASC234, SPAN234, or PORT234. Interdisciplinary study of major issues in Latin America and the Caribbean, including Latin America's cultural mosaic, migration and urbanization. Democratization and the role of religions. Taught in English.

0201	Beatrice Gurwitz	Seats (Total: 5)
	MW 11:00am - 12:15pm	HBK 0115

LASC248N **Special Topics in Latin American Studies; American Indians in Literature and Film: Perspectives North and South**

LASC248N Special Topics in Latin American Studies: American Indians in Literature and Film: Perspectives North and South; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as CMLT298N. Credit will be granted for one of the following: CMLT298N or LASC248N.

0101	Regina Harrison	Seats (Total: 30)
	TuTh 3:30pm - 4:45pm	SQH 1103

LASC248Q **Special Topics in Latin American Studies; Quality of Urban Life**

LASC248Q Special Topics in Latin American Studies: Quality of Urban Life; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as URSP289Q.

0101	William Hanna	Seats (Total: 78)
	Tu 4:30pm - 7:00pm	ARC 0204

LASC448J **Special Topics in Latin American Studies; Aztec Culture: Human Sacrifice and Conquest**

LASC448J Special Topics in Latin American Studies: Aztec Culture: Human Sacrifice and Conquest; (3 credits) Grade Method: REG.
Also offered as RELS419J.

0101	James Maffie	Seats (Total: 30)
	MW 3:30pm - 4:45pm	TYD 1108

LATN Latin Fall 2012

LATN101 **Elementary Latin I**

LATN101 Elementary Latin I; (4 credits) Grade Method: REG/P-F/AUD.
Additional information: A student who has two units of Latin in high school may register for LATN101 for the purposes of review, but ordinarily not for credit.

0101	Francisco Barrenechea	Seats (Total: 25)
	MWF 10:00am - 10:50am	JMZ 0125
	W 9:00am - 9:50am	JMZ 0125

LATN102 **Elementary Latin II**

LATN102 Elementary Latin II; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Must have completed LATN101 at University of Maryland, College Park; or permission of ARHU-Classics department.

0101	Jorge Bravo	Seats (Total: 20)
	MWF 10:00am - 10:50am	HBK 1108
	W 9:00am - 9:50am	HBK 1108

LATN201 **Intermediate Latin**

LATN201 Intermediate Latin; (4 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
Prerequisite: Must have completed LATN102 at University of Maryland, College Park; or permission of ARHU-Classics department. Formerly: LATN203.

0101	Judith Hallett	Seats (Total: 20)
	TuTh 2:00pm - 3:50pm	MMH 1218

LATN301 **Plautus**

LATN301 Plautus; (3 credits) Grade Method: REG/P-F/AUD.
Plautine drama. Literary, linguistic and socio-cultural aspects. Readings are in Latin.

0101	Gregory Staley TuTh 3:30pm - 4:45pm	Seats (Total: 25) SQH 1123

LATN424 **Silver Age Latin**

LATN424 Silver Age Latin; (3 credits) Grade Method: REG/P-F/AUD.
Reading and analysis of selected texts. Emphasis on the role of Nero and Seneca in literary developments. Readings are in Latin.

0101	Gregory Staley Tu 5:00pm - 7:40pm	Seats (Total: 15) SQH 1121

LATN472 **Historical Development of the Latin Language**

LATN472 Historical Development of the Latin Language; (3 credits) Grade Method: REG/P-F/AUD.
Credit only granted for: LATN472 or LING431. An analysis of the development of the Latin language from archaic times to the Middle Ages.

0101	Judith Hallett M 5:00pm - 7:40pm	Seats (Total: 10) MMH 1218

LATN488O **Latin Readings; Ovid**

0101	Joseph Scholten W 5:00pm - 7:40pm	Seats (Total: 15) Location: TBA

LATN499 **Independent Study in Latin Language and Literature**

LATN499 *(PermReq)* **Independent Study in Latin Language and Literature; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

LATN624 **Silver Age Latin**

LATN624 Silver Age Latin; (3 credits) Grade Method: REG/AUD.
An investigation of both the evolving Latin language and the major literary figures and genres in prose and poetry of the period from A.D. 14 through the mid-second century.

0101	Gregory Staley	Seats (Total: 10)
	Tu 5:00pm - 7:40pm	SQH 1121

LATN672 **Historical Development of the Latin Language**

LATN672 Historical Development of the Latin Language; (3 credits) Grade Method: REG/AUD.
An analysis of the development of the Latin language from the archaic period to the Middle Ages.

0101	Judith Hallett	Seats (Total: 10)
	M 5:00pm - 7:40pm	MMH 1218

LATN699 **Independent Studies in Latin Literature**

LATN699 *(PermReq)* **Independent Studies in Latin Literature; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

LATN799 **Master's Thesis Research**

LATN799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

LBSC Library Science Fall 2012

LBSC601 **Users and Information Context**

LBSC601 Users and Information Context; (3 credits) Grade Method: REG/AUD. *Prerequisite: Permission of INFO-College of Information Studies.* Nature and roles of information and information institutions; information behavior; studying information behavior; information policy; the information professions.

0101	Cynthia Kleback Th 5:30pm - 8:15pm	Seats (Total: 30) HBK 0115
ML01	Ann Prentice Class time/details on ELMs *Restricted to LBSO students only.*	Seats (Total: 25) ONLINE
SG01	Beth St Jean M 5:30pm - 8:15pm	Seats (Total: 30) BLD3 3203

LBSC605 **Archival Principles, Practices, and Programs**

LBSC605 Archival Principles, Practices, and Programs; (3 credits) Grade Method: REG/AUD.
Prerequisite: Permission of INFO-College of Information Studies. Introduction to all aspects of archival work, including records management, appraisal, and selection, arrangement and description, preservation, electronic records, reference and outreach. Elements of an archival program. The role and work of archivists. Issues, conditions, and needs in the field.

0101	Katie Shilton W 5:30pm - 8:15pm	Seats (Total: 30) HBK 0109
0201	Bruce Ambacher Tu 5:30pm - 8:15pm	Seats (Total: 30) CHM 0119

LBSC620 **Diverse Populations, Inclusion, and Information**

LBSC620 Diverse Populations, Inclusion, and Information; (3 credits) Grade Method: REG/AUD.
Importance of equality of information access. Social, political, and technological barriers to information. Information needs of diverse and underrepresented populations. Principles of inclusive information services.

0101	Paul Jaeger W 5:30pm - 8:15pm	Seats (Total: 30) HBK 2119

LBSC635 **Management and Administration for the Information Professional**

LBSC635 Management and Administration for the Information Professional; (3 credits) Grade Method: REG/AUD.
Not open to students who have completed LBSC630. Management and administrative theory and principles and their implications and applications to information organizations.

0101	Thomas Phelps, Nancy Davenport Tu 5:30pm - 8:15pm	Seats (Total: 30) HBK 0109
0201	Michael Kurtz Th 5:30pm - 8:15pm	Seats (Total: 30) HBK 0108
SG01	Bruce Dearstyne Class time/details on ELMs	Seats (Total: 20) ONLINE

LBSC640 **School Librarians as Information Professionals**

LBSC640 School Librarians as Information Professionals; (3 credits) Grade Method: REG/AUD.
Restriction: Permission of INFO-College of Information Studies; and permission of instructor. Credit only granted for: LBSC640 or LBSC643. Formerly: LBSC643. Foundational concepts in information studies and in school library programs and services. Current and evolving educational systems; roles and functions of school librarians within them.

0101	Sheri Massey W 5:30pm - 8:15pm	Seats (Total: 25) HBK 0115

LBSC642 **Integrating Technology into Learning and Teaching**

LBSC642 Integrating Technology into Learning and Teaching; (3 credits) Grade Method: REG/AUD.
Prerequisite: Permission of INFO-College of Information Studies. Credit only granted for: LBSC642 or LBSC708C. Formerly: LBSC708C. Hardware, software, video and other equipment, and networking in schools. Pedagogic uses of information technology, including networked resources and multimedia.

0101	June Ahn Tu 5:30pm - 8:15pm	Seats (Total: 20) HBK 0108

LBSC645 **Literature and Materials for Children**

LBSC645 Literature and Materials for Children; (3 credits) Grade Method: REG/AUD.
Prerequisite: Permission of INFO-College of Information Studies. Survey of literature and other materials for children and youth. Criteria for evaluating and using such materials as they relate to the needs, interests, reading abilities, and other capabilities of young readers.

0101	Maria Salvadore M 5:30pm - 8:15pm	Seats (Total: 30) HBK 0105
SG01	Edith Ching Tu 5:30pm - 8:15pm	Seats (Total: 25) BLD3 4220

LBSC647 **Children's Services in the Public Library**

LBSC647 Children's Services in the Public Library; (3 credits) Grade Method: REG/AUD.
Public library services for children, birth to 12 years of age. Developmental characteristics and information needs of children. Children as a client group. Programming and collection development. Management of children's services, including planning, staffing, and advocacy.

0101	Maralita Freeny Tu 5:30pm - 8:15pm	Seats (Total: 30) HBK 0115

LBSC650 **Information Access Services**

LBSC650 Information Access Services; (3 credits) Grade Method: REG/AUD.
Prerequisite: Permission of INFO-College of Information Studies. Information needs, search mediation, search strategies, reference services, information access issues, collection development.

0101	Julie Strange Tu 5:30pm - 8:15pm	Seats (Total: 30) BPS 1124
0201	Mary Choquette M 2:00pm - 4:45pm	Seats (Total: 30) HBK 0109

SG01	Mary Choquette W 5:30pm - 8:15pm	Seats (Total: 30) BLD3 3225

LBSC670 **Organization of Information**

LBSC670 Organization of Information; (3 credits) Grade Method: REG/AUD. *Prerequisite: Permission of INFO-College of Information Studies.* Functions and evaluation of document and information retrieval systems; analysis and representation of data, information, knowledge, language, and text; metadata for the control of documents and other objects.

0101	Erik Mitchell Class time/details on ELMs	Seats (Total: 20) ONLINE
0201	Erik Mitchell Tu 2:00pm - 4:45pm	Seats (Total: 30) JMP 1109
ML01	Taverekere Srikantaiah Class time/details on ELMs *Restricted to LBSO students only.*	Seats (Total: 20) ONLINE
SG01	Katy Lawley Th 5:30pm - 8:15pm	Seats (Total: 30) BLD3 4212

LBSC690 **Information Technology**

LBSC690 Information Technology; (3 credits) Grade Method: REG/AUD. *Prerequisite: Permission of INFO-College of Information Studies.* Human-centered design issues, implementation and technical issues, and application and sociotechnical issues of information technology; emerging information technologies.

0101	Jordan Boyd-Graber M 5:30pm - 8:15pm	Seats (Total: 30) HBK 0109
0201	Katy Lawley W 2:00pm - 4:45pm	Seats (Total: 30) HBK 2119

LBSC703 **Field Study in Archives, Records and Information Management**

LBSC703 Field Study in Archives, Records and Information Management; (3 credits) Grade Method: REG/AUD.
Prerequisite: LBSC605, LBSC650, LBSC670, and LBSC690; and Must have completed 12 additional credits. Restriction: Permission of INFO-College of Information Studies. Supervised experience in archival, records, or information management programs in organization and institutions. Application of theories, methods, and approaches to effectively carry out work and meet program goals.

0101	Michael Kurtz	Seats (Total: 16)
	Th 9:30am - 12:15pm	HBK 4113

LBSC707 **Field Study in Library Service**

LBSC707 Field Study in Library Service; (3 credits) Grade Method: REG/AUD.
Prerequisite: LBSC601, LBSC650, LBSC670, and LBSC690; and Must have completed 12 additional credits. Restriction: Permission of INFO-College of Information Studies. Supervised experience within library operations and/or the opportunity to perform a study to solve a specific problem in a suitable library or other information agency.

0101	Diane Barlow	Seats (Total: 20)
	W 5:30pm - 8:15pm	HBK 4113
	The class will meet on campus 8/29, 10/3, 11/7, and 12/5. In addition t o on campus sessions, students will complete a 120 hours field study experience during the fall semester.	

LBSC709 **Independent Study**

LBSC709 Independent Study; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number. Signed independent study form must be presented to CLIS Admissions Office.

Contact department for information to register for this course.

LBSC713 **Planning and Evaluating Library Services**

LBSC713 Planning and Evaluating Library Services; (3 credits) Grade Method: REG/AUD.
Prerequisite: Permission of INFO-College of Information Studies. analysis of quantitative and qualitative methods for planning and evaluating library and information services. Demonstration and use of selecte d methods, including project planning and monitoring methods. Restricted to LBSO students only.

ML01	Nancy Roderer	Seats (Total: 19)
	Class time/details on ELMs	ONLINE

LBSC731 **Special Collections**

LBSC731 Special Collections; (3 credits) Grade Method: REG/AUD.
Prerequisite: LBSC605 or LBSC601; or permission of instructor. Management of special collections, whose holdings may include manuscripts (particularly personal papers), non-textual materials, graphical materials, and rare books, with analysis of the custodial and management functions associated with special collections.

0101	Douglas McElrath	Seats (Total: 25)
	M 5:30pm - 8:15pm	HBK 2119

LBSC735 **Legal Issues in Managing Information**

LBSC735 Legal Issues in Managing Information; (3 credits) Grade Method: REG/AUD.
Prerequisite: Permission of INFO-College of Information Studies. Legal issues related to collecting, maintaining, and providing access to information materials. Includes ownership, copyright, privacy, freedom of information, and related issues in archives, libraries and other settings.

0101	Corey Williams	Seats (Total: 30)
	Th 5:30pm - 8:15pm	HBK 0105

LBSC741 **Seminar in School Library Administration**

LBSC741 Seminar in School Library Administration; (3 credits) Grade Method: REG/AUD.
Prerequisite: LBSC640; and permission of INFO-College of Information Studies. Development, management, and evaluation of school library programs at all levels.

0101	Sheri Massey M 5:30pm - 8:15pm	Seats (Total: 20) HBK 0108

LBSC742 **Collaborative Instructional Design and Evaluation**

LBSC742 Collaborative Instructional Design and Evaluation; (3 credits) Grade Method: REG/AUD.
Prerequisite: LBSC640; and permission of INFO-College of Information Studies. School librarians' collaborative role in instruction. Systematic design, development, and evaluation of instructional strategies and products for learning.

SG01	Mega Subramaniam Th 5:30pm - 8:15pm	Seats (Total: 16) BLD3 3216

LBSC744 **Internship in School Library**

LBSC744 Internship in School Library; (3 credits) Grade Method: REG/AUD.
Prerequisite: LBSC640, LBSC742, and LBSC741. Restriction: Permission of instructor. Opportunities to observe and participate in the operation of school libraries at the elementary and secondary levels under the supervision of certified school librarians.

SG01	Mega Subramaniam Sa 9:30am - 12:15pm	Seats (Total: 25) BLD3 2219

LBSC750 **Information Access in Electronic Environments**

LBSC750 Information Access in Electronic Environments; (3 credits) Grade Method: REG/AUD.
Prerequisite: Permission of INFO-College of Information Studies; and LBSC650. Analysis of information problems, search strategy development, evaluation of electronic resources, command language comparisons, evaluation of search results.

0101	Anne Caputo Tu 5:30pm - 8:15pm	Seats (Total: 25) HBK 0105

LBSC751 **Information Access in the Humanities**

LBSC751 Information Access in the Humanities; (3 credits) Grade Method: REG/AUD.
Prerequisite: Permission of INFO-College of Information Studies; and LBSC650.
Research methods, information needs, information structure, and information sources and services in the humanities (for example, religion, philosophy, language, literature, history, music history, art history).

0101	Kari Kraus	Seats (Total: 30)
	W 5:30pm - 8:15pm	PLS 1119

LBSC767 **Access to Federal Government Information**

LBSC767 Access to Federal Government Information; (3 credits) Grade Method: REG/AUD.
Prerequisite: Permission of INFO-College of Information Studies; and LBSC650.
Research methods, information needs, information production and structure, information sources and services, and selection policies related to federal government information.

0101	Deborah Klein	Seats (Total: 30)
	W 10:00am - 12:45pm	HBK 0109

LBSC781 **Access Techniques and Systems for Archives**

LBSC781 Access Techniques and Systems for Archives; (3 credits) Grade Method: REG/AUD.
Prerequisite: Permission of INFO-College of Information Studies; and LBSC605.
Methods, approaches, and systems to locate, access, and use archival records, including systems analysis, control systems. researcher services, descriptive formats and techniques, and the use of digital technologies and the Internet for accessing archival records.

0101	Kenneth Heger	Seats (Total: 30)
	W 2:00pm - 4:45pm	COL 0101

LBSC785 **Documentation, Collection, and Appraisal of Records**

LBSC785 Documentation, Collection, and Appraisal of Records; (3 credits) Grade Method: REG/AUD.
Prerequisite: LBSC605; or permission of instructor. Development of documentation strategies and plans; collecting policies to guide programs in acquiring records; theories and techniques for appraising records to identify those with continuing value.

0101	Bruce Ambacher Tu 12:30pm - 3:15pm	Seats (Total: 30) HBK 2119

LBSC799 **Master's Thesis Research**

LBSC799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

LGBT Lesbian Gay Bisexual Transgender Studies Fall 2012

LGBT200 **Introduction to Lesbian, Gay, Bisexual, and Transgender Studies**

LGBT200 Introduction to Lesbian, Gay, Bisexual, and Transgender Studies; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - History and Social Sciences; Diversity - Understanding Plural Societies.
Credit only granted for: LGBT200. An interdisciplinary study of the historical and social contexts of personal, cultural and political aspects of LGBT life. Sources from a variety of fields, such as anthropology, history, psychology, sociology, and women's studies, focusing on writings by and about LGBT people.

0101	Julie Enszer TuTh 9:30am - 10:45am	Seats (Total: 70) SQH 1120
0201	JV Sapinoso MW 3:30pm - 4:45pm	Seats (Total: 35) SQH 1103

LGBT265 **Lesbian, Gay, Bisexual, and Transgender Literatures**

LGBT265 Lesbian, Gay, Bisexual, and Transgender Literatures; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - Humanities; Diversity - Understanding Plural Societies. *Restriction: Must not have completed ENGL265. Also offered as: ENGL265. Credit only granted for: ENGL265 or LGBT265.* Exploration of literary and cultural expressions of sexuality and gender. Study of a range of historical periods and literary genres, such as essay, poetry, novel, drama, film. Topics include sexual norms and dissidence, gender identity and expression, the relationship between aesthetic forms and sexual subjectivity. Interpretation of texts particularly through the lens of queer theory. Examination of how sex and gender intersect with other forms of difference, including race and class.

0101	James Goodwin MW 11:00am - 12:15pm	Seats (Total: 30) SQH 1105
0201	Elizabeth McClure TuTh 12:30pm - 1:45pm	Seats (Total: 30) SQH 2117

LGBT350 **Lesbian, Gay, Bisexual, and Transgender People and Communication**

LGBT350 *(PermReq)* **Lesbian, Gay, Bisexual, and Transgender People and Communication; (3 credits)** Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Scholarship in Practice; Diversity - Cultural Competency. *Prerequisite: LGBT200; and permission of UGST-Undergraduate Studies.* Study of differences, stereotypes, and values distinguishing LGBT people and of effective means of communicating such differences to non-LGBT people. Emphasis on contemporary LGBT life and on the development of didactic skills. Preparation and presentation of forums on LGBT people; facilitation of workshops in various outreach locations (residence halls, Greek system, classes).

0101	Luke Jensen W 3:30pm - 5:10pm Contact instructor or department for details.	Seats (Total: 12) WDS 1131

LGBT386 **Lesbian, Gay, Bisexual, and Transgender Community Organization Internship**

LGBT386 *(PermReq)* **Lesbian, Gay, Bisexual, and Transgender Community Organization Internship; (3-6 credits)** Grade Method: REG/P-F/AUD. GenEd: Diversity - Cultural Competency. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: 9 credits in LGBT courses. Restriction: Permission of UGST-Undergraduate Studies. Supervised internship experience with a community organization that expressly serves lesbian, gay, bisexual, and transgender people. Students will be expected to relate course material to experience in an analysis of an organization's activities.

Contact department for information to register for this course.

LGBT398Q **Special Topics in Lesbian, Gay, Bisexual, and Transgender Studies; Facilitation and Leadership Skills in Lesbian, Gay, Bisexual, Transgender, Queer, or Ally Organizations**

LGBT398Q *(PermReq)* **Special Topics in Lesbian, Gay, Bisexual, and Transgender Studies: Facilitation and Leadership Skills in Lesbian, Gay, Bisexual, Transgender, Queer, or Ally Organizations; (3 credits)** Grade Method: REG/P-F/AUD. GenEd: Diversity - Understanding Plural Societies.
Prerequisite: Permission of Instructor. Interested students must be facilitators within an LGBTQA organization or program, and must prepare, organize, execute, and assess a weekly small group discussion. Or, student must have an equivalent leadership project agreed upon with instructor . Students will hone skills in a wide range of areas, including facilitation, interpersonal communication, organization building, and organizing for social change. Students will apply evidence-based leadership practices in an LGBTQA organizational context, and will be expected to analyze their learning and demonstrate growth. Contact Nicholas Sakurai (sakurai@umd.edu) for more information. Also offered as EDCP318Q.

0101	Nick Sakurai	Seats (Total: 10)
	Tu 3:30pm - 5:10pm	WDS 1127
	Contact instructor or department for details.	

LGBT448D **Special Topics in Lesbian, Gay, Bisexual, and Transgender Studies; The History of Drag**

LGBT448D Special Topics in Lesbian, Gay, Bisexual, and Transgender Studies: The History of Drag; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course. GenEd: Diversity - Understanding Plural Societies.
Also offered as WMST498D and WMST698D. Credit will be granted for one of the following: LGBT448D, WMST498D, or WMST698D.

0101	Catherine Schuler Th 4:00pm - 6:30pm	Seats (Total: 35) KEY 0126

LGBT448J **Special Topics in Lesbian, Gay, Bisexual, and Transgender Studies; International LGBT Issues**

LGBT448J Special Topics in Lesbian, Gay, Bisexual, and Transgender Studies: International LGBT Issues; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course. GenEd: Diversity - Understanding Plural Societies.

0101	JV Sapinoso TuTh 12:30pm - 1:45pm	Seats (Total: 35) EGR 1108

LGBT465 **Theories of Sexuality and Literature**

LGBT465 Theories of Sexuality and Literature; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Must have completed two lower-level English courses, at least one in literature. Restriction: Must not have completed ENGL465. Also offered as: ENGL465. Credit only granted for: ENGL465 or LGBT465. An in-depth study of the ways in which sexuality and sexual difference create or confound the conditions of meaning in the production of literary texts. Attention to psychoanalysis, history of sexuality, feminist theory, and other accounts of sexual identity.

0101	Marilee Lindemann MW 2:00pm - 3:15pm	Seats (Total: 25) TWS 1107

LGBT488Q **Seminar in Lesbian, Gay, Bisexual, and Transgender Studies; Queer Theory**

LGBT488Q *(PermReq)* **Seminar in Lesbian, Gay, Bisexual, and Transgender Studies: Queer Theory; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Christina Hanhardt TuTh 2:00pm - 3:15pm	Seats (Total: 12) TWS 3134

LGBT499 **Independent Study**

LGBT499 *(PermReq)* **Independent Study; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

LING Linguistics Fall 2012

LING200 **Introductory Linguistics**

LING200 Introductory Linguistics; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. GenEd: Distributive Studies - History and Social Sciences.
Credit only granted for: HESP120 or LING200. Additional information: Does not count toward the Linguistics major and does not fulfill prerequisite requirements for all upper-level courses. An exploration of the nature of human language, designed for non-majors. Introduction to the basic concepts and methodology of modern linguistic analysis (sound systems, word formation, sentence structure). Additional topics may include: semantics, pragmatics, social aspects of language, dialects, language change, acquisition, writing systems, typology, language universals, comparison with other communication systems, etc.

0101	Margaret Antonisse MW 2:00pm - 2:50pm F 10:00am - 10:50am	Seats (Total: 30) KEY 0106 CHM 0119	 Discussion
0102	Margaret Antonisse MW 2:00pm - 2:50pm F 11:00am - 11:50am	Seats (Total: 30) KEY 0106 TLF 1101	 Discussion
0104	Margaret Antonisse MW 2:00pm - 2:50pm Th 11:00am - 11:50am	Seats (Total: 30) KEY 0106 KEY 0125	 Discussion
0105	Margaret Antonisse MW 2:00pm - 2:50pm Th 9:30am - 10:20am	Seats (Total: 30) KEY 0106 CHM 0122	 Discussion
0106	Margaret Antonisse MW 2:00pm - 2:50pm Th 2:00pm - 2:50pm	Seats (Total: 30) KEY 0106 CHE 2136	 Discussion

LING240 **Language and Mind**

LING240 Language and Mind; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course. GenEd: Distributive Studies - Humanities.
Additional information: Required for Linguistics majors and recommended for students in related fields. The study of language as a cognitive phenomenon. Focus on mastering the concepts and technical skills required for further courses in linguistics. Ways of representing people's knowledge of their native language, ways in which that knowledge is attained naturally by children, and how it is used in speaking and listening. Additional topics may include: animal communication, language and the brain, language and thought.

0101	Tonia Bleam	Seats (Total: 50)
	MWF 11:00am - 11:50am	WDS 1114

LING311 **Syntax I**

LING311 Syntax I; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: LING240. Basic concepts, analytical techniques of generative syntax, relation to empirical limits imposed by viewing grammars as representations of a component of human mind. Aspects of current theories.

0101	Tonia Bleam	Seats (Total: 25)
	TuTh 2:00pm - 3:15pm	MMH 0108

LING312 **Syntax II**

LING312 Syntax II; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: LING311. Continuation of LING311. Development of theories of syntax. Criteria for revising theories. Methods and strategies of scientific efforts to explain natural phenomena.

0101	Masahiko Takahashi	Seats (Total: 30)
	TuTh 2:00pm - 3:15pm	TLF 1103

LING321 **Phonology I**

LING321 Phonology I; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: LING240. Properties of sound systems of human languages, basic concepts and analytical techniques of generative phonology. Empirical limits imposed by viewing grammars as cognitive representations. Physiological properties and phonological systems; articulatory phonetics and distinctive feature theory.

0101	Naomi Feldman	Seats (Total: 25)
	TuTh 12:30pm - 1:45pm	MMH 0108

LING350 **Philosophy of Language**

LING350 Philosophy of Language; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PHIL170 or LING311. Also offered as: PHIL360. Credit only granted for: LING350 or PHIL360. The nature and function of language and other forms of symbolism from a philosophical perspective.

0101	Alexander Williams	Seats (Total: 30)
	TuTh 9:30am - 10:45am	SKN 1112

LING419 **Topics in Syntax**

LING419 Topics in Syntax; (3 credits) Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
This course examines the semantics and pragmatics of anaphoric expressions such as pronouns and noun phrase ellipsis. The class will involve a critical survey of description theoretic approaches and dynamic approaches to the semantics of pronouns; as well as a discussion of Binding Theory and potential semantics and pragmatics reinterpretations of its syntatic conditions.

Contact department for information to register for this course.

LING419G **Topics in Syntax; Semantics of Anaphora**

LING419G Topics in Syntax: Semantics of Anaphora; (3 credits) Grade Method: REG/P-F/AUD.

0101	Michael Gagnon	Seats (Total: 10)
	MW 2:00pm - 3:15pm	MMH 3418

LING429 **Topics in Phonology; A Course in Phonetics**

LING429 Topics in Phonology: A Course in Phonetics; (3 credits) Grade Method: REG/P-F/AUD.

0101	Charles Chang, Michael Key	Seats (Total: 25)
	TuTh 11:00am - 12:15pm	WDS 1127

LING444 **Child Language Acquisition**

LING444 Child Language Acquisition; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: LING311.* Examines language acquisition in infancy and early childhood: the nature of children's linguistic representations and how these develop naturally. Role of (possible) innate linguistic structure and interaction of such structure with experience. Evaluation of methods and results of current and classic research leading to contemporary models of language development.

0101	Jeffrey Lidz	Seats (Total: 20)
	TuTh 9:30am - 10:45am	WDS 1127

LING449F **Topics in Psycholinguistics; Memory and Language Processing**

LING449F Topics in Psycholinguistics: Memory and Language Processing; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: LING311. This seminar examines the nature of human language processing, specifically how real-time use of linguistic knowledge interacts with the memory system during sentence processing. Students will read and evaluate classic and state-of-the-art research. Topics will include lexical access, structural ambiguity resolution, and the processing of different types of syntactic dependencies.

0101	Daniel Parker, Maria Lago	Seats (Total: 10)
	MW 9:30am - 10:45am	SKN 1112

LING449G **Topics in Psycholinguistics; Cognitive Neuroscience of Memory and Language**

LING449G Topics in Psycholinguistics: Cognitive Neuroscience of Memory and Language; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: LING311 and LING321. This discussion-based seminar will examine the interactive relationship between memory and language. We will read and discuss studies exploring the cognitive and neural engagement of both systems, noting when the systems are separate and when they converge. We will also learn about neuroscience techniques, including EEG, MEG, and fMRI, and how they can enhance the study of language and memory.

0101	Susan Teubner-Rhodes	Seats (Total: 5)
	TuTh 3:30pm - 4:45pm	MMH 1401G

LING499 **Directed Studies in Linguistics**

LING499 *(PermReq)* **Directed Studies in Linguistics; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

LING499C **Directed Studies in Linguistics; Teaching Assistantship to Ling 499C**

LING499C Directed Studies in Linguistics: Teaching Assistantship to Ling 499C; (1-3 credits) Grade Method: REG/P-F/AUD.

0101	Margaret Antonisse	Seats (Total: 4)
	Contact instructor or department for details.	

LING499H **Directed Studies in Linguistics**

LING499H *(PermReq)* **Directed Studies in Linguistics; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

LING610 **Syntactic Theory**

LING610 Syntactic Theory; (3 credits) Grade Method: REG/AUD.
Prerequisite: LING312. Intensive introduction to transformational syntax.

0101	Howard Lasnik	Seats (Total: 15)	
	Tu 2:00pm - 5:00pm	MMH 1108B	
	Th 11:00am - 12:00pm	MMH 1108B	Discussion

LING620 **Phonological Theory**

LING620 Phonological Theory; (3 credits) Grade Method: REG/AUD.
Prerequisite: LING322. Topics in current phonological theory, as they relate to data from various languages. Segmental and prosodic analysis. Autosegmental theory, metrical theory, etc.

0101	Naomi Feldman	Seats (Total: 15)
	TuTh 9:30am - 11:00am	ARM 0121

LING640 **Psycholinguistics**

LING640 Psycholinguistics; (3 credits) Grade Method: REG/AUD.
Restriction: Permission of instructor. Core graduate course in psycholinguistics, covering leading theoretical approaches and experimental methods in language acquisition, language processing, and neurolinguistics.

0101	Colin Phillips	Seats (Total: 20)
	MW 12:00pm - 1:30pm	HBK 1112

LING646 **Cognitive Neuroscience of Language**

LING646 Cognitive Neuroscience of Language; (3 credits) Grade Method: REG/AUD.
Restriction: Permission of instructor. Overview of classical and recent work on the neural basis of speech and language, with a goal of introducing contemporary methods and results to prepare the student to read the neurolinguistics and cognitive neuroscience literature. An emphasis will be placed on current techniques.

0101	Ellen Lau	Seats (Total: 15)
	MW 9:30am - 11:00am	MMH 3416

LING660 **Introduction to Semantics**

LING660 Introduction to Semantics; (3 credits) Grade Method: REG/AUD. *Restriction: Permission of instructor.* Basic concepts and methods of contemporary semantic theory including basic set theory, elementary propositional and predicate calculus, the structure of predicates and propositions, quantification binding. Prepares students for study of more advanced topics in semantics.

0101	Paul Pietroski MW 10:00am - 11:30am	Seats (Total: 15) PLS 1168

LING663 **Pragmatics**

LING663 Pragmatics; (3 credits) Grade Method: REG/AUD. *Prerequisite: LING660 or PHIL660; or permission of instructor. Recommended: LING661.* An intensive introduction to formal linguistic pragmatics: the study of systematic dependencies of meaning on context of use. Topics will include implicature, presupposition, reference, topic, focus, and the linguistic means of expressing these.

0101	Alexander Williams W 2:30pm - 5:00pm	Seats (Total: 15) JMZ 1123

LING689 **Independent Study**

LING689 Independent Study; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

LING689A **Independent Study; Professional Methods - 1 credit**

LING689A Independent Study: Professional Methods - 1 credit; (1-3 credits) Grade Method: REG/AUD.

0101	Howard Lasnik Th 2:00pm - 3:00pm	Seats (Total: 10) MMH 3416

LING698 **Directed Study; Seminar**

LING698 Directed Study: Seminar; (1-3 credits) Grade Method: REG/AUD.

0101	Howard Lasnik	Seats (Total: 10)
	F 2:00pm - 4:00pm	WDS 1114

LING723 **Computational Linguistics I**

LING723 Computational Linguistics I; (3 credits) Grade Method: REG/AUD. *Prerequisite: CMSC421; or students who have taken courses with similar or comparable course content may contact the department; or permission of instructor. Also offered as: CMSC723. Formerly: LING645.* Fundamental methods in natural language processing. Topics include: finite-state methods, context-free and extended context-free models of syntax; parsing and semantic interpretation; n-gram and Hidden Markov models, part-of-speech tagging; natural language applications such as machine translation, automatic summarization, and question answering.

0101	Hal Daume	Seats (Total: 40)
	TuTh 9:30am - 10:45am	CSI 2107

LING798 **Research Papers in Linguistics**

LING798 *(PermReq)* **Research Papers in Linguistics; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

LING799 **Master's Thesis Research**

LING799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

LING819 **Seminar in Syntactic Theory**

LING819 Seminar in Syntactic Theory; (3 credits) Grade Method: REG/AUD.

0101	Thomas Grano	Seats (Total: 20)
	M 1:30pm - 4:30pm	WDS 1114

LING869 **Seminar in Neurolinguistics**

LING869 Seminar in Neurolinguistics; (3 credits) Grade Method: REG/AUD.

0101	Ellen Lau	Seats (Total: 15)
	Tu 2:00pm - 5:00pm	WDS 1131

LING879 **Seminar in Semantics**

LING879 Seminar in Semantics; (3 credits) Grade Method: REG/AUD.

0101	Jeffrey Lidz, Valentine Hacquard	Seats (Total: 15)
	W 9:30am - 12:00pm	MMH 1108B

LING889 **Directed Research**

LING889 Directed Research; (1-8 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

LING889D **Directed Research; Cognitive Neuroscience of Language**

LING889D Directed Research: Cognitive Neuroscience of Language; (1-8 credits) Grade Method: REG/AUD.

0101	Ellen Lau	Seats (Total: 10)
	Contact instructor or department for details.	

LING895 **Doctoral Research Paper**

LING895 Doctoral Research Paper; (6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

LING896 **Research Paper in Minor Area**

LING896 Research Paper in Minor Area; (3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: LING895. This course is designed to strengthen the students' ability to do research in a minor area of expertise, and to help them create a publishable piece. In addition, the course constitutes part of a set of requirements to advance to doctoral candidacy.

Contact department for information to register for this course.

LING898 **Pre-Candidacy Research**

LING898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

LING899 **Doctoral Dissertation Research**

LING899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MATH Mathematics Fall 2012

MATH003 **Developmental Mathematics**

MATH003 Developmental Mathematics; (3 credits) Grade Method: S-F.
Recommended: for students who plan to take MATH110, MATH111, MATH113, MATH115 or STAT100, but are not currently qualified to do so. A review of Intermediate High School Algebra intended for students preparing for one of the credit bearing Fundamental Studies Math Courses. It is taught in special computer labs using a self-paced computer program. The curriculum will be geared toward the student's level of algebra skills and eventual goals. There is a special fee for the course that may be applied in addition to the regular tuition charge. Students should refer to the schedule of classes for details on fees as they apply to a particular semester. The course does not carry any credit toward any degree at the University. The course is repeatable. Topics will be chosen from exponents, polynomials, linear equations, quadratic equations as well as polynomial, rational, exponential and logarithm functions and elementary probability or statistics, depending on the student. There is a special fee for this class in addition to the regular tuition charge.

0201	Marguerite Jarchow MWF 10:00am - 11:50am	Seats (Total: 34) CEN 0200
0202	Marguerite Jarchow MWF 10:00am - 11:50am	Seats (Total: 17) COL 0104
0601	Colleen Terpos TuTh 8:00am - 10:45am	Seats (Total: 34) CEN 0200
0602	Colleen Terpos TuTh 8:00am - 10:45am	Seats (Total: 17) COL 0104
0701	Colleen Terpos TuTh 11:00am - 1:45pm	Seats (Total: 34) CEN 0200
0702	Colleen Terpos TuTh 11:00am - 1:45pm	Seats (Total: 17) COL 0104
FC01	Jack Baker MW 6:00pm - 8:45pm *Restricted to students in Freshman Connection.*	Seats (Total: 41) CEN 0200

MATH010 Algebra for MATH 110

MATH 010, MATH 011, MATH 013 and MATH 015 are preparation courses for MATH 110, MATH 111, MATH 113 and MATH 115 respectively, and meet only for the first 5 weeks of the semester. Special sections of MATH 110, MATH 111, MATH 113 and MATH 115 will begin at this point and the student will automatically be enrolled in the course, provided he/she passes the Placement Exam for that course at the end of the 5 week period. If the Placement Exam is not passed at this point, the student will be placed in MATH 003. There will be a fee for these courses, the same as for MATH003. For the students who move into MATH 003 from MATH 010, MATH 011, MATH 013 or MATH 015, no new fee will be charged.

MATH010 Algebra for MATH 110; (3 credits) Grade Method: REG/P-F/AUD.
There is a special fee for this class in addition to the regular tuition charge. A review of Intermediate High School Algebra intended for students preparing for MATH110. It is taught 5 days per week for the first 5 weeks, then leads directly into a special section of MATH110, the same semester, which also meets 5 days per week. Continuation in MATH110 is conditional on the student passing the MATHEMATICS PLACEMENT EXAM at the appropriate level. Topics include linear equations, linear inequalities, operations on polynomials, factoring, solutions of quadratic equations, as well as exponential and logarithm functions. MATH010 does not carry any credit toward any degree at the University, nor is it graded. It leads to either MATH110 or MATH003, both of which are graded.

1101	Ben Bezejouh MTuWThF 10:00am - 10:50am	Seats (Total: 30) MTH 0106
1201	Ben Bezejouh MTuWThF 11:00am - 11:50am	Seats (Total: 32) MTH 0106

MATH011 **Algebra for MATH 111**

MATH011 Algebra for MATH 111; (3 credits) Grade Method: REG/P-F/AUD.
There is a special fee for this class in addition to the regular tuition charge. A review of Intermediate High School Algebra intended for students preparing for MATH111. It is taught 5 days per week for the first 5 weeks, then leads directly into a special section of MATH111, the same semester, which also meets 5 days per week. Continuation in MATH 111 is conditional on the student passing the MATHEMATICS PLACEMENT EXAM at the appropriate level. Topics include exponents, polynomials, linear equations, quadratic equations, as well as polynomial, rational, exponential and logarithm functions, Venn diagrams, permutations and combinations. MATH011 does not carry any credit toward any degree at the University, nor is it graded. It leads directly to MATH111 (or MATH113 or MATH110), or MATH003, all of which are graded.

1101	Marguerite Jarchow MTuWThF 8:00am - 8:50am	Seats (Total: 22) ARM 0116
1201	Marguerite Jarchow MTuWThF 9:00am - 9:50am	Seats (Total: 28) ARM 0116

MATH013 **Algebra for MATH 113**

MATH013 Algebra for MATH 113; (3 credits) Grade Method: REG/P-F/AUD.
There is a special fee for this class in addition to the regular tuition charge. A review of Intermediate High School Algebra intended for students preparing for MATH113. It is taught 5 days per week for the first 5 weeks, then leads directly into a special section of MATH113, the same semester, which also meets 5 days per week. Continuation in MATH113 is conditional on the student passing the MATHEMATICS PLACEMENT EXAM at the appropriate level. Topics include exponents, polynomials, linear equations, quadratic equations, as well as polynomial, rational, exponential and logarithm functions. MATH013 does not carry any credit toward any degree at the University, nor is it graded. It leads directly to MATH113 (or MATH110), or MATH003, all of which are graded.

1101	Santuria Orsetti MTuWThF 10:00am - 10:50am	Seats (Total: 26) ARM 0116
1201	Santuria Orsetti MTuWThF 11:00am - 11:50am	Seats (Total: 26) ARM 0116

1301	Debra Franklin MTuWThF 12:00pm - 12:50pm	Seats (Total: 22) ARM 0116
1501	Debra Franklin MTuWThF 2:00pm - 2:50pm	Seats (Total: 22) ARM 0116

MATH015 **Algebra for MATH 115**

MATH015 Algebra for MATH 115; (3 credits) Grade Method: REG/P-F/AUD. *There is a special fee for this class in addition to the regular tuition charge.* A review of Intermediate High School Algebra intended for students preparing for MATH115. It is taught 5 days per week for the first 5 weeks, then leads directly into a special section of MATH115, the same semester, which also meets 5 days per week. Continuation in MATH115 is conditional on the student passing the MATHEMATICS PLACEMENT EXAM at the appropriate level. Topics include exponents, polynomials, linear equations in one and two variables, quadratic equations, as well as polynomial, rational, exponential and logarithm functions. MATH015 does not carry any credit toward any degree at the University, nor is it graded. It leads directly to MATH115 (or MATH111 or MATH113 or MATH110), or MATH003, all of which are graded.

1101	Stephen Kcenich MTuWThF 8:00am - 8:50am	Seats (Total: 22) ARM 0119
1102	Kimberly Fouche MTuWThF 8:00am - 8:50am	Seats (Total: 22) ARM 0105
1301	Kimberly Fouche MTuWThF 1:00pm - 1:50pm	Seats (Total: 22) ARM 0116
1302	Ben Bezejouh MTuWThF 1:00pm - 1:50pm	Seats (Total: 22) ARM 0117

MATH110 **Elementary Mathematical Models**

MATH110 Elementary Mathematical Models; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Fundamental Studies - Math.
Prerequisite: Must have math eligibility of MATH110 or higher; or permission of CMNS-Mathematics department. Restriction: Not open to students majoring in mathematics, engineering, business, life sciences, and the physical sciences; and must not have completed MATH220 or MATH140; and Must not have completed any MATH or STAT course with a prerequisite of MATH140 or MATH220. Credit only granted for: MATH110, MATH112, or MATH113. Topics include simple and compound interest; recursion for computing balances; installment loans and amortization; approximating data by linear models; analysis of applications to real-world collections of data; probability; conditional probability; independence; expected value; graphing and analysis of systems of inequalities; linear programming and applications. All sections will require the use of a TI graphics calculator. Instructor will use a TI83 or TI83+ calculator.

0101	Julie Daberkow MWF 11:00am - 11:50am	Seats (Total: 28) MTH 0403
0102	Eric Hamilton MWF 11:00am - 11:50am	Seats (Total: 28) MTH 0302
0201	Julie Daberkow MWF 12:00pm - 12:50pm	Seats (Total: 28) MTH 0403
FC01	Eric Hamilton MW 3:00pm - 4:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 30) MTH 0411

MATH111 **Introduction to Probability**

MATH111 Introduction to Probability; (3 credits) Grade Method: REG/P-F/AUD. CORE Mathematics or Formal Reasoning (MS) Course. GenEd: Fundamental Studies - Math.
Prerequisite: Must have math eligibility of MATH111 or higher; or MATH110. Restriction: Not open to students majoring in mathematics, engineering or the physical sciences; and must not have completed STAT100; and Must not have completed any MATH or STAT course with a prerequisite of MATH141. Credit only granted for: MATH111 or STAT100. Logic, Boolean algebra, counting, probability, random variables, expectation, applications of the normal probability distribution.

0101	Xuan Yao MWF 1:00pm - 1:50pm	Seats (Total: 29) MTH 0307	
0102	Matthew Becker MWF 1:00pm - 1:50pm	Seats (Total: 29) MTH 0106	
0201	Xuan Yao MWF 2:00pm - 2:50pm	Seats (Total: 29) MTH 0307	
0202	Matthew Becker MWF 2:00pm - 2:50pm	Seats (Total: 29) MTH 0106	
0311	William Schildknecht MWF 8:00am - 8:50am Tu 8:00am - 8:50am	Seats (Total: 30) ARM 0131 MTH 0201	Discussion
0321	William Schildknecht MWF 8:00am - 8:50am Tu 9:30am - 10:20am	Seats (Total: 29) ARM 0131 MTH 0201	Discussion
0331	William Schildknecht MWF 8:00am - 8:50am Tu 11:00am - 11:50am	Seats (Total: 29) ARM 0131 MTH 0201	Discussion
0341	William Schildknecht MWF 8:00am - 8:50am Tu 12:30pm - 1:20pm	Seats (Total: 29) ARM 0131 MTH 0201	Discussion
0411	Timothy Pilachowski MWF 12:00pm - 12:50pm Th 8:00am - 8:50am	Seats (Total: 29) ARM 0135 MTH B0429	Discussion
0421	Timothy Pilachowski MWF 12:00pm - 12:50pm Th 9:30am - 10:20am	Seats (Total: 29) ARM 0135 MTH B0429	Discussion
0431	Timothy Pilachowski MWF 12:00pm - 12:50pm Th 11:00am - 11:50am	Seats (Total: 29) ARM 0135 MTH B0429	Discussion

0441	Timothy Pilachowski MWF 12:00pm - 12:50pm Th 12:30pm - 1:20pm	Seats (Total: 29) ARM 0135 MTH B0429	Discussion
FC01	Douglas Galagate TuTh 5:00pm - 6:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 33) MTH 0101	
FC02	Douglas Galagate TuTh 3:30pm - 4:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 33) MTH 0101	

MATH112 **College Algebra with Applications and Trigonometry**

MATH112 College Algebra with Applications and Trigonometry; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Fundamental Studies - Math.
Prerequisite: Must have math eligibility of MATH112 or higher. Restriction: Must not have completed MATH220 or MATH140; and Must not have completed any course with a prerequisite of MATH140 or MATH220. Credit only granted for: Students who have credits for MATH112 may not also receive credits for MATH110, MATH113, or MATH115. Graphs and applications of elementary functions, including polynomial, rational, exponential and logarithmic functions. Systems of equations. Triangle trigonometry. The course differs from MATH113 only in that it covers a substantial amount of trigonometry in place of material on matrices, linear programming, sequences and series. MATH112 is strongly recommended for students in Architecture, Landscape Architecture, Life Sciences, and those needing PHYS141.

0101	Siming He MWF 10:00am - 10:50am	Seats (Total: 28) MTH 0409	
0102	Stephanie Young MWF 10:00am - 10:50am	Seats (Total: 29) MTH 0306	
0201	Siming He MWF 11:00am - 11:50am	Seats (Total: 29) MTH 0409	
0202	Stephanie Young MWF 11:00am - 11:50am	Seats (Total: 29) MTH 0306	

MATH113 **College Algebra with Applications**

MATH113 College Algebra with Applications; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Fundamental Studies - Math.
Prerequisite: Must have math eligibility of MATH113 or higher. Restriction: Must not have completed MATH220 or MATH140; and Must not have completed any course with a prerequisite of MATH140 or MATH220. Credit only granted for: Students who have credits for MATH113 may not also receive credits for MATH110, MATH112, or MATH115. Preparation for MATH220. Graphs and applications of elementary functions including: polynomial, rational, exponential and logarithmic functions. Systems of linear equations and linear inequalities used to solve representative problems in linear programming. Matrices and matrix operations including inverse. Sequences.

0101	Ran Ji MWF 10:00am - 10:50am	Seats (Total: 27) ARM 0105	
0102	Gokhan Civan MWF 10:00am - 10:50am	Seats (Total: 27) MTH 0304	
0201	Jacqueline Stone MWF 11:00am - 11:50am	Seats (Total: 27) ARM 0105	
0202	Gokhan Civan MWF 11:00am - 11:50am	Seats (Total: 27) MTH 0101	
0301	Maxx Cho MWF 3:00pm - 3:50pm	Seats (Total: 27) MTH 0304	
0302	Ke Xue MWF 3:00pm - 3:50pm	Seats (Total: 27) MTH 0306	
0401	Maxx Cho MWF 4:00pm - 4:50pm	Seats (Total: 27) MTH 0304	
0402	Ke Xue MWF 4:00pm - 4:50pm	Seats (Total: 27) MTH 0306	
0511	Jacqueline Stone MWF 10:00am - 10:50am Th 8:00am - 9:15am	Seats (Total: 25) ARM 0135 MTH 0405	 Discussion

0512	Jacqueline Stone MWF 10:00am - 10:50am Th 8:00am - 9:15am	Seats (Total: 25) ARM 0135 MTH 0401	Discussion
0521	Jacqueline Stone MWF 10:00am - 10:50am Th 9:30am - 10:45am	Seats (Total: 25) ARM 0135 MTH 0405	Discussion
0522	Jacqueline Stone MWF 10:00am - 10:50am Th 9:30am - 10:45am	Seats (Total: 25) ARM 0135 MTH 0401	Discussion
0531	Jacqueline Stone MWF 10:00am - 10:50am Th 11:00am - 12:15pm	Seats (Total: 25) ARM 0135 MTH 0405	Discussion
0532	Jacqueline Stone MWF 10:00am - 10:50am Th 11:00am - 12:15pm	Seats (Total: 25) ARM 0135 MTH 0401	Discussion
FC01	Karamatou Yacoubou Djima MW 6:00pm - 7:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 27) MTH 0305	
FC02	Karamatou Yacoubou Djima MW 4:30pm - 5:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 27) MTH 0305	
FC03	Ran Ji MW 4:30pm - 5:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 27) MTH 0303	

MATH115 Precalculus

MATH115 Precalculus; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Fundamental Studies - Math.
Prerequisite: Must have math eligibility of MATH115 or higher; or MATH113. Restriction: Must not have completed MATH140; and Must not have completed any MATH or STAT course with a prerequisite of MATH140. Credit only granted for: Students who have credits for MATH115 may not also receive credits for MATH112 or MATH113. Preparation for MATH220 or MATH140. Elementary functions and graphs: polynomials, rational functions, exponential and logarithmic functions, trigonometric functions. Algebraic techniques preparatory for calculus. All sections will require the use of a TI graphics calculator. Instructor will use a TI-83 or a TI-83+ calculator.

0111	Frances Gulick MW 9:00am - 9:50am MWF 8:00am - 8:50am	Seats (Total: 27) ARM 0126 ARM 0112	 Lab
0211	Frances Gulick MW 9:00am - 9:50am TuTh 8:00am - 9:15am	Seats (Total: 27) ARM 0126 ARM 0112	 Lab
0311	Frances Gulick MW 9:00am - 9:50am TuTh 9:30am - 10:45am	Seats (Total: 27) ARM 0126 ARM 0112	 Lab
0411	Frances Gulick MW 9:00am - 9:50am MWF 10:00am - 10:50am	Seats (Total: 27) ARM 0126 ARM 0112	 Lab
0511	Frances Gulick MW 9:00am - 9:50am MWF 11:00am - 11:50am	Seats (Total: 27) ARM 0126 ARM 0112	 Lab
0611	Frances Gulick MW 9:00am - 9:50am TuTh 11:00am - 12:15pm	Seats (Total: 27) ARM 0126 ARM 0112	 Lab
0711	Frances Gulick MW 9:00am - 9:50am MWF 12:00pm - 12:50pm	Seats (Total: 27) ARM 0126 ARM 0112	 Lab

0811	Frances Gulick MW 9:00am - 9:50am MWF 1:00pm - 1:50pm	Seats (Total: 27) ARM 0126 ARM 0112	 Lab
FC01	Kimberly Bethea MW 3:00pm - 4:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 33) MTH 0303	
FC02	Benjamin Lauser MW 3:00pm - 4:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 33) MTH 0305	
FC03	Roberto De Leo MW 4:30pm - 5:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 33) MTH 0201	

MATH130 **Calculus I for the Life Sciences**

MATH130 Calculus I for the Life Sciences; (4 credits) Grade Method: REG/P-F/AUD. CORE Mathematics or Formal Reasoning (MS) Course. GenEd: Fundamental Studies - Analytic Reasoning; Fundamental Studies - Math.
Prerequisite: Minimum grade of C- in MATH112; or minimum grade of C- in MATH113; or minimum grade of C- in MATH115; or permission of CMNS-Mathematics department. Restriction: Must be in a major in CMNS-Biological Sciences UG Program; and Not open to students majoring in mathematics, engineering or the physical sciences. Credit only granted for: MATH130, MATH220, or MATH140. Basic ideas of differential integral calculus, with emphasis on elementary techniques and applications to the life sciences.

0111	Joel Cohen TuTh 9:30am - 10:45am MW 8:00am - 8:50am	Seats (Total: 25) ARM 0126 MTH B0421	 Discussion
0121	Joel Cohen TuTh 9:30am - 10:45am MW 9:00am - 9:50am	Seats (Total: 25) ARM 0126 MTH B0421	 Discussion
0131	Joel Cohen TuTh 9:30am - 10:45am MW 12:00pm - 12:50pm	Seats (Total: 28) ARM 0126 MTH B0425	 Discussion

0141	Joel Cohen TuTh 9:30am - 10:45am MW 1:00pm - 1:50pm	Seats (Total: 28) ARM 0126 MTH B0425	Discussion
0211	Giovanni Forni TuTh 12:30pm - 1:45pm MW 8:00am - 8:50am	Seats (Total: 28) ARM 0131 MTH 0306	Discussion
0221	Giovanni Forni TuTh 12:30pm - 1:45pm MW 9:00am - 9:50am	Seats (Total: 28) ARM 0131 MTH 0306	Discussion
0231	Giovanni Forni TuTh 12:30pm - 1:45pm MW 11:00am - 11:50am	Seats (Total: 28) ARM 0131 MTH 0405	Discussion
0241	Giovanni Forni TuTh 12:30pm - 1:45pm MW 12:00pm - 12:50pm	Seats (Total: 28) ARM 0131 MTH 0405	Discussion
0242	Giovanni Forni TuTh 12:30pm - 1:45pm MW 12:00pm - 12:50pm	Seats (Total: 28) ARM 0131 MTH 0306	Discussion
0251	Giovanni Forni TuTh 12:30pm - 1:45pm MW 1:00pm - 1:50pm	Seats (Total: 28) ARM 0131 MTH 0306	Discussion

MATH131 **Calculus II for Life Sciences**

MATH131 Calculus II for Life Sciences; (4 credits) Grade Method: REG/P-F/AUD. CORE Mathematics or Formal Reasoning (MS) Course.
Prerequisite: Minimum grade of C- in MATH130; or minimum grade of C- in MATH140. Restriction: Must be in a major in CMNS-Biological Sciences UG Program. Credit only granted for: MATH131, MATH141, or MATH221. Continuation of MATH130, including an introduction to autonomous differential equations, probability (including conditional probability and the normal and binomial distributions), and statistical reasoning (including confidence intervals). Alongside the mathematical concepts will be applications in biology.

0111	Karin Melnick TuTh 9:30am - 10:45am WF 10:00am - 10:50am	Seats (Total: 28) ARM 0131 MTH B0421	 Discussion
0121	Karin Melnick TuTh 9:30am - 10:45am WF 11:00am - 11:50am	Seats (Total: 28) ARM 0131 MTH B0421	 Discussion
0131	Karin Melnick TuTh 9:30am - 10:45am WF 2:00pm - 2:50pm	Seats (Total: 28) ARM 0131 MTH B0427	 Discussion
0141	Karin Melnick TuTh 9:30am - 10:45am WF 3:00pm - 3:50pm	Seats (Total: 28) ARM 0131 MTH B0427	 Discussion
0211	Timothy Pilachowski TuTh 11:00am - 12:15pm MW 10:00am - 10:50am	Seats (Total: 29) ARM 0131 MTH 0407	 Discussion
0221	Timothy Pilachowski TuTh 11:00am - 12:15pm MW 11:00am - 11:50am	Seats (Total: 29) ARM 0131 MTH 0407	 Discussion
0231	Timothy Pilachowski TuTh 11:00am - 12:15pm MW 2:00pm - 2:50pm	Seats (Total: 29) ARM 0131 MTH 0407	 Discussion
0241	Timothy Pilachowski TuTh 11:00am - 12:15pm MW 3:00pm - 3:50pm	Seats (Total: 28) ARM 0131 MTH 0407	 Discussion

MATH140 Calculus I

MATH140 Calculus I; (4 credits) Grade Method: REG/P-F/AUD. CORE Mathematics or Formal Reasoning (MS) Course. GenEd: Fundamental Studies - Analytic Reasoning; Fundamental Studies - Math.
Prerequisite: Minimum grade of C- in MATH115. Or Must have completed 3 1/2 years of college preparatory mathematics (including trigonometry); and must have math eligibility of MATH140 or higher. Or permission of CMNS-Mathematics department. Credit only granted for: MATH130, MATH220, or MATH140. Introduction to calculus, including functions, limits, continuity, derivatives and applications of the derivative, sketching of graphs of functions, definite and indefinite integrals, and calculation of area. The course is especially recommended for science, engineering and mathematics majors. All sections will require the use of a TI graphics calculator. Instructor will use a TI-83, TI-83+, or TI-86 calculator. Emphasis on student interaction in groups, including team approach to solving calculus based problems. There will be 3 one-hour lectures and 2 eighty-minute workshops each week with enhanced assistance and support for students.

0111	Denny Gulick MWF 8:00am - 8:50am TuTh 8:00am - 9:20am	Seats (Total: 25) PHY 1412 MTH 0102	Discussion
0112	Denny Gulick MWF 8:00am - 8:50am TuTh 8:00am - 9:20am	Seats (Total: 25) PHY 1412 MTH 0302	Discussion
0113	Denny Gulick MWF 8:00am - 8:50am TuTh 8:00am - 9:20am *Restricted to College Park Scholars.*	Seats (Total: 25) PHY 1412 MTH 1313	Discussion
0121	Denny Gulick MWF 8:00am - 8:50am TuTh 9:30am - 10:50am	Seats (Total: 25) PHY 1412 MTH 0102	Discussion
0122	Denny Gulick MWF 8:00am - 8:50am TuTh 9:30am - 10:50am	Seats (Total: 25) PHY 1412 MTH 0302	Discussion

0123	Denny Gulick MWF 8:00am - 8:50am TuTh 9:30am - 10:50am *Restricted to College Park Scholars.*	Seats (Total: 25) PHY 1412 MTH 1313	Discussion
0131	Denny Gulick MWF 8:00am - 8:50am TuTh 11:00am - 12:20pm	Seats (Total: 25) PHY 1412 MTH 0102	Discussion
0132	Denny Gulick MWF 8:00am - 8:50am TuTh 11:00am - 12:20pm	Seats (Total: 25) PHY 1412 MTH 0306	Discussion
0211	Elizabeth Wilson MWF 1:00pm - 1:50pm TuTh 11:00am - 12:20pm	Seats (Total: 25) ARM 0131 MTH 0411	Discussion
0212	Elizabeth Wilson MWF 1:00pm - 1:50pm TuTh 11:00am - 12:20pm	Seats (Total: 25) ARM 0131 MTH 0302	Discussion
0213	Elizabeth Wilson MWF 1:00pm - 1:50pm TuTh 11:00am - 12:20pm	Seats (Total: 25) ARM 0131 MTH 0403	Discussion
0221	Elizabeth Wilson MWF 1:00pm - 1:50pm TuTh 12:30pm - 1:50pm	Seats (Total: 25) ARM 0131 MTH 0411	Discussion
0222	Elizabeth Wilson MWF 1:00pm - 1:50pm TuTh 12:30pm - 1:50pm	Seats (Total: 25) ARM 0131 MTH 0302	Discussion
0223	Elizabeth Wilson MWF 1:00pm - 1:50pm TuTh 12:30pm - 1:50pm	Seats (Total: 25) ARM 0131 MTH 0405	Discussion
0231	Elizabeth Wilson MWF 1:00pm - 1:50pm TuTh 2:00pm - 3:20pm	Seats (Total: 25) ARM 0131 MTH 0411	Discussion

0232	Elizabeth Wilson MWF 1:00pm - 1:50pm TuTh 2:00pm - 3:20pm	Seats (Total: 25) ARM 0131 MTH 0405	Discussion
0311	Kasso Okoudjou MWF 10:00am - 10:50am TuTh 11:00am - 12:20pm	Seats (Total: 25) ARM 0131 MTH 0307	Discussion
0312	Kasso Okoudjou MWF 10:00am - 10:50am TuTh 11:00am - 12:20pm	Seats (Total: 25) ARM 0131 MTH 0104	Discussion
0313	Kasso Okoudjou MWF 10:00am - 10:50am TuTh 11:00am - 12:20pm	Seats (Total: 25) ARM 0131 WDS 1131	Discussion
0321	Kasso Okoudjou MWF 10:00am - 10:50am TuTh 12:30pm - 1:50pm	Seats (Total: 25) ARM 0131 MTH 0307	Discussion
0322	Kasso Okoudjou MWF 10:00am - 10:50am TuTh 12:30pm - 1:50pm	Seats (Total: 25) ARM 0131 MTH 0403	Discussion
0323	Kasso Okoudjou MWF 10:00am - 10:50am TuTh 12:30pm - 1:50pm	Seats (Total: 25) ARM 0131 CHM 0124	Discussion
0331	Kasso Okoudjou MWF 10:00am - 10:50am TuTh 2:00pm - 3:20pm	Seats (Total: 25) ARM 0131 MTH 0407	Discussion
0332	Kasso Okoudjou MWF 10:00am - 10:50am TuTh 2:00pm - 3:20pm	Seats (Total: 25) ARM 0131 CHM 0124	Discussion
0411	Frances Gulick MWF 12:00pm - 12:50pm TuTh 9:30am - 10:50am	Seats (Total: 25) ARM 0126 MTH 0105	Discussion

0412	Frances Gulick MWF 12:00pm - 12:50pm TuTh 9:30am - 10:50am	Seats (Total: 25) ARM 0126 MTH 0305	Discussion
0413	Frances Gulick MWF 12:00pm - 12:50pm TuTh 9:30am - 10:50am	Seats (Total: 25) ARM 0126 MTH 1311	Discussion
0421	Frances Gulick MWF 12:00pm - 12:50pm TuTh 11:00am - 12:20pm	Seats (Total: 25) ARM 0126 MTH 0105	Discussion
0422	Frances Gulick MWF 12:00pm - 12:50pm TuTh 11:00am - 12:20pm	Seats (Total: 25) ARM 0126 MTH 0409	Discussion
0423	Frances Gulick MWF 12:00pm - 12:50pm TuTh 11:00am - 12:20pm	Seats (Total: 25) ARM 0126 MTH B0425	Discussion
0431	Frances Gulick MWF 12:00pm - 12:50pm TuTh 2:00pm - 3:20pm	Seats (Total: 25) ARM 0126 MTH B0423	Discussion
0432	Frances Gulick MWF 12:00pm - 12:50pm TuTh 2:00pm - 3:20pm	Seats (Total: 24) ARM 0126 MTH B0429	Discussion
FC01	Bradford Sanders MWTh 3:00pm - 4:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 33) ARM 0116	
FC02	Paul Koprowski MW 3:00pm - 4:15pm Th 3:00pm - 4:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 33) ARM 0105 CHM 0119	
FC03	Terence Long MW 3:00pm - 4:15pm Th 3:00pm - 4:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 33) ARM 0117 HZF 0101	

FC04	Wei-Hsuan Yu MW 3:00pm - 4:15pm Th 3:00pm - 4:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 33) CHM 0122 BPS 1124

MATH140H **Calculus I**

MATH140H Calculus I; (4 credits) Grade Method: REG/P-F/AUD. CORE Mathematics or Formal Reasoning (MS) Course. GenEd: Fundamental Studies - Analytic Reasoning; Fundamental Studies - Math.
Prerequisite: Minimum grade of C- in MATH115. Or Must have completed 3 1/2 years of college preparatory mathematics (including trigonometry); and must have math eligibility of MATH140 or higher. Or permission of CMNS-Mathematics department. Credit only granted for: MATH130, MATH220, or MATH140. Introduction to calculus, including functions, limits, continuity, derivatives and applications of the derivative, sketching of graphs of functions, definite and indefinite integrals, and calculation of area. The course is especially recommended for science, engineering and mathematics majors. For general honors students only. Offered fall only. All sections will require the use of a TI graphics calculator. Instructor will use a TI-83 TI-83+, or TI-86 calculator.

0101	Sabrina Rainwater MF 12:00pm - 12:50pm W 12:00pm - 1:50pm	Seats (Total: 22) MTH 0302 MTH 0302
0201	Mahesh Nerurkar WF 2:00pm - 2:50pm M 2:00pm - 3:50pm	Seats (Total: 22) MTH 0403 MTH 0403

MATH141 **Calculus II**

MATH141 Calculus II; (4 credits) Grade Method: REG/P-F/AUD. CORE Mathematics or Formal Reasoning (MS) Course.
Prerequisite: Minimum grade of C- in MATH140. Or minimum grade of B- in MATH130; and permission of CMNS-Mathematics department. Credit only granted for: MATH131, MATH141, or MATH221. Continuation of MATH140, including techniques of integration, improper integrals, applications of integration (such as volumes, work, arc length, moments), inverse functions, exponential and logarithmic functions, sequences and series. All sections will require the use of a TI graphics calculator. Instructor will use a TI-83, TI-83+, or TI-86 calculator.

0111	Scott Wolpert MWF 10:00am - 10:50am TuTh 8:00am - 8:50am	Seats (Total: 28) ARM 0126 MTH 0306	Discussion
0112	Scott Wolpert MWF 10:00am - 10:50am TuTh 8:00am - 8:50am	Seats (Total: 28) ARM 0126 MTH 0411	Discussion
0121	Scott Wolpert MWF 10:00am - 10:50am TuTh 9:00am - 9:50am	Seats (Total: 28) ARM 0126 MTH 0306	Discussion
0122	Scott Wolpert MWF 10:00am - 10:50am TuTh 9:00am - 9:50am	Seats (Total: 28) ARM 0126 MTH 0411	Discussion
0131	Scott Wolpert MWF 10:00am - 10:50am TuTh 10:00am - 10:50am	Seats (Total: 20) ARM 0126 MTH 0306	Discussion
0132	Scott Wolpert MWF 10:00am - 10:50am TuTh 10:00am - 10:50am	Seats (Total: 28) ARM 0126 MTH 0411	Discussion
0141	Scott Wolpert MWF 10:00am - 10:50am TuTh 11:00am - 11:50am	Seats (Total: 28) ARM 0126 KEB 1200	Discussion
0142	Scott Wolpert MWF 10:00am - 10:50am TuTh 11:00am - 11:50am	Seats (Total: 28) ARM 0126 CHM 1224	Discussion

0211	Jonathan Rosenberg MWF 11:00am - 11:50am TuTh 8:00am - 8:50am	Seats (Total: 28) ARM 0131 MTH B0423	Discussion
0212	Jonathan Rosenberg MWF 11:00am - 11:50am TuTh 8:00am - 8:50am	Seats (Total: 28) ARM 0131 MTH B0425	Discussion
0221	Jonathan Rosenberg MWF 11:00am - 11:50am TuTh 9:00am - 9:50am	Seats (Total: 28) ARM 0131 MTH B0423	Discussion
0222	Jonathan Rosenberg MWF 11:00am - 11:50am TuTh 9:00am - 9:50am	Seats (Total: 28) ARM 0131 MTH B0425	Discussion
0231	Jonathan Rosenberg MWF 11:00am - 11:50am TuTh 10:00am - 10:50am	Seats (Total: 28) ARM 0131 MTH B0423	Discussion
0241	Jonathan Rosenberg MWF 11:00am - 11:50am TuTh 11:00am - 11:50am	Seats (Total: 28) ARM 0131 EGR 0108	Discussion
0251	Jonathan Rosenberg MWF 11:00am - 11:50am TuTh 12:00pm - 12:50pm	Seats (Total: 28) ARM 0131 MTH 0305	Discussion
0261	Jonathan Rosenberg MWF 11:00am - 11:50am TuTh 1:00pm - 1:50pm	Seats (Total: 28) ARM 0131 MTH 0305	Discussion
0311	David Hamilton MWF 2:00pm - 2:50pm TuTh 12:00pm - 12:50pm	Seats (Total: 28) ARM 0131 MTH 0101	Discussion
0312	David Hamilton MWF 2:00pm - 2:50pm TuTh 12:00pm - 12:50pm	Seats (Total: 28) ARM 0131 MTH 0106	Discussion

0321	David Hamilton MWF 2:00pm - 2:50pm TuTh 1:00pm - 1:50pm	Seats (Total: 28) ARM 0131 MTH 0101	Discussion
0322	David Hamilton MWF 2:00pm - 2:50pm TuTh 1:00pm - 1:50pm	Seats (Total: 28) ARM 0131 MTH 0106	Discussion
0331	David Hamilton MWF 2:00pm - 2:50pm TuTh 2:00pm - 2:50pm	Seats (Total: 28) ARM 0131 MTH 0305	Discussion
0332	David Hamilton MWF 2:00pm - 2:50pm TuTh 2:00pm - 2:50pm	Seats (Total: 28) ARM 0131 MTH 0307	Discussion
0341	David Hamilton MWF 2:00pm - 2:50pm TuTh 3:00pm - 3:50pm	Seats (Total: 28) ARM 0131 MTH 0305	Discussion
0342	David Hamilton MWF 2:00pm - 2:50pm TuTh 3:00pm - 3:50pm	Seats (Total: 28) ARM 0131 MTH 0307	Discussion
FC01	William Martin MWTh 3:00pm - 4:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 30) CSS 1113	
FC02	Ioannis Markou MWTh 3:00pm - 4:15pm *Restricted to students in Freshman Connection.*	Seats (Total: 30) CHM 1224	

MATH141H Calculus II

MATH141H Calculus II; (4 credits) Grade Method: REG/P-F/AUD. CORE Mathematics or Formal Reasoning (MS) Course.
Prerequisite: Minimum grade of C- in MATH140. Or minimum grade of B- in MATH130; and permission of CMNS-Mathematics department. Credit only granted for: MATH131, MATH141, or MATH221. Continuation of MATH140, including techniques of integration, improper integrals, applications of integration (such as volumes, work, arc length, moments), inverse functions, exponential and logarithmic functions, sequences and series. For general honors students only. TI graphics calculator required. Instructor will use a TI-83, TI-83+, or TI-86 calculator.

0101	Wojciech Czaja WF 11:00am - 11:50am M 11:00am - 12:50pm	Seats (Total: 25) MTH 0104 MTH 0104
0201	Roberto De Leo MF 2:00pm - 2:50pm W 2:00pm - 3:50pm	Seats (Total: 25) MTH 0103 MTH 0103

MATH206 **Introduction to Matlab**

MATH206 Introduction to Matlab; (1 credit) Grade Method: REG/P-F/AUD.
Prerequisite: MATH141. Credit only granted for: CMSC206, CMSC298M, MATH206, or MATH299M. This course is intended to prepare students for subsequent courses requiring computation with MATLAB. Covers basics of MATLAB including simple commands, variables, solving equations, graphing differentiation and integration, matrices and vectors, functions, M-files and fundamentals of programming in the MATLAB environment. When offered in Winter and Summer terms, the course is offered in a format suitable for online distance learning.

WB01	Justin Wyss-Gallifent **Meets August 29, 2012 - October 12, 2012** Class time/details on ELMs	Seats (Total: 280) ONLINE

MATH212 **Elements of Numbers and Operations**

MATH212 Elements of Numbers and Operations; (3 credits) Grade Method: REG/AUD.
Prerequisite: Must have completed one year of college preparatory algebra. Restriction: Must be in one of the following programs (Early Childhood Education; Special Education; Elementary Education). Credit only granted for: MATH212 or MATH210. Topics from algebra and number theory designed to provide insight into arithmetic: sets, functions, number systems, number theory; operations with natural numbers, integers, rational numbers; linear equations.

0201	Gregory Laun MWF 9:00am - 9:50am	Seats (Total: 25) MTH 1308
0301	Gregory Laun MWF 10:00am - 10:50am	Seats (Total: 25) MTH 1308
0501	Karen McLaren MWF 1:00pm - 1:50pm	Seats (Total: 25) MTH 1308

MATH213 **Elements of Geometry and Measurement**

MATH213 Elements of Geometry and Measurement; (3 credits) Grade Method: REG/AUD.
Prerequisite: MATH212. Restriction: Must be in one of the following programs (Early Childhood Education; Special Education; Elementary Education). Credit only granted for: MATH211 or MATH213. Properties of geometric objects in two and three dimensions; parallel lines, curves and polygons; ratio, proportion, similarity; transformational geometry and measurement, constructions, justifications and proofs.

0101	Sean Ballentine MWF 8:00am - 8:50am	Seats (Total: 26) MTH B0425
0201	Sean Ballentine MWF 9:00am - 9:50am	Seats (Total: 26) MTH B0425

MATH214 **Elements of Probability and Statistics**

MATH214 Elements of Probability and Statistics; (3 credits) Grade Method: REG/AUD.
Prerequisite: MATH212. Restriction: Must be in one of the following programs (Early Childhood Education; Special Education; Elementary Education). Credit only granted for: MATH211 or MATH214. Permutations and combinations; probability; collecting and representing data; using statistics to analyze and interpret data.

0101	Joshua Himmelsbach MWF 9:00am - 9:50am	Seats (Total: 27) MTH 0302	
0201	Joshua Himmelsbach MWF 10:00am - 10:50am	Seats (Total: 27) MTH 0302	

MATH220 **Elementary Calculus I**

MATH220 Elementary Calculus I; (3 credits) Grade Method: REG/P-F/AUD. CORE Mathematics or Formal Reasoning (MS) Course. GenEd: Fundamental Studies - Analytic Reasoning; Fundamental Studies - Math.
Prerequisite: MATH112, MATH113, or MATH115. Or Must have completed 3 1/2 years of college preparatory mathematics (including trigonometry); and must have math eligibility of MATH220 or higher. Or permission of CMNS-Mathematics department. Restriction: Not open to students majoring in mathematics, engineering or the physical sciences. Credit only granted for: MATH130, MATH220, or MATH140. Basic ideas of differential and integral calculus, with emphasis on elementary techniques of differentiation and applications.

0111	Kimberly Fouche MWF 11:00am - 11:50am Th 8:00am - 8:50am	Seats (Total: 27) ARM 0135 MTH 0201	 Discussion
0112	Kimberly Fouche MWF 11:00am - 11:50am Th 8:00am - 8:50am	Seats (Total: 27) ARM 0135 MTH 0305	 Discussion
0121	Kimberly Fouche MWF 11:00am - 11:50am Th 9:30am - 10:20am	Seats (Total: 27) ARM 0135 MTH 0201	 Discussion

0122	Kimberly Fouche MWF 11:00am - 11:50am Th 9:30am - 10:20am	Seats (Total: 27) ARM 0135 MTH 0403	Discussion
0131	Kimberly Fouche MWF 11:00am - 11:50am Th 11:00am - 11:50am	Seats (Total: 27) ARM 0135 MTH 0201	Discussion
0132	Kimberly Fouche MWF 11:00am - 11:50am Th 11:00am - 11:50am	Seats (Total: 27) ARM 0135 MTH B0427	Discussion
0141	Kimberly Fouche MWF 11:00am - 11:50am Th 12:30pm - 1:20pm	Seats (Total: 27) ARM 0135 MTH 0201	Discussion
0142	Kimberly Fouche MWF 11:00am - 11:50am Th 12:30pm - 1:20pm	Seats (Total: 27) ARM 0135 MTH B0427	Discussion
0211	Patrick Fitzpatrick MWF 1:00pm - 1:50pm Tu 11:00am - 11:50am	Seats (Total: 27) ARM 0135 MTH 0401	Discussion
0212	Patrick Fitzpatrick MWF 1:00pm - 1:50pm Tu 11:00am - 11:50am	Seats (Total: 27) ARM 0135 MTH 0405	Discussion
0221	Patrick Fitzpatrick MWF 1:00pm - 1:50pm Tu 12:30pm - 1:20pm	Seats (Total: 27) ARM 0135 MTH 0401	Discussion
0222	Patrick Fitzpatrick MWF 1:00pm - 1:50pm Tu 12:30pm - 1:20pm	Seats (Total: 27) ARM 0135 MTH 0304	Discussion
0231	Patrick Fitzpatrick MWF 1:00pm - 1:50pm Tu 2:00pm - 2:50pm	Seats (Total: 27) ARM 0135 MTH 0409	Discussion

0232	Patrick Fitzpatrick MWF 1:00pm - 1:50pm Tu 2:00pm - 2:50pm	Seats (Total: 27) ARM 0135 MTH 0304	Discussion
0241	Patrick Fitzpatrick MWF 1:00pm - 1:50pm Tu 3:00pm - 3:50pm	Seats (Total: 27) ARM 0135 MTH 0409	Discussion
0242	Patrick Fitzpatrick MWF 1:00pm - 1:50pm Tu 3:00pm - 3:50pm	Seats (Total: 27) ARM 0135 MTH 0304	Discussion
0311	Julia Dobrosotskaya TuTh 12:30pm - 1:45pm F 8:00am - 8:50am	Seats (Total: 27) ARM 0135 MTH 0405	Discussion
0321	Julia Dobrosotskaya TuTh 12:30pm - 1:45pm F 9:00am - 9:50am	Seats (Total: 27) ARM 0135 MTH 0405	Discussion
0331	Julia Dobrosotskaya TuTh 12:30pm - 1:45pm F 12:00pm - 12:50pm	Seats (Total: 27) ARM 0135 MTH 0405	Discussion
0332	Julia Dobrosotskaya TuTh 12:30pm - 1:45pm F 12:00pm - 12:50pm	Seats (Total: 27) ARM 0135 MTH 0104	Discussion
0341	Julia Dobrosotskaya TuTh 12:30pm - 1:45pm F 1:00pm - 1:50pm	Seats (Total: 27) ARM 0135 MTH B0423	Discussion
0342	Julia Dobrosotskaya TuTh 12:30pm - 1:45pm F 1:00pm - 1:50pm	Seats (Total: 27) ARM 0135 MTH 0306	Discussion
0351	Julia Dobrosotskaya TuTh 12:30pm - 1:45pm F 2:00pm - 2:50pm	Seats (Total: 27) ARM 0135 MTH 0411	Discussion

0361	Julia Dobrosotskaya TuTh 12:30pm - 1:45pm F 3:00pm - 3:50pm	Seats (Total: 27) ARM 0135 MTH 0302	Discussion
0411	Abner Salgado Gonzalez TuTh 2:00pm - 3:15pm M 8:00am - 8:50am	Seats (Total: 27) ARM 0126 MTH 0106	Discussion
0431	Abner Salgado Gonzalez TuTh 2:00pm - 3:15pm M 12:00pm - 12:50pm	Seats (Total: 27) ARM 0126 MTH 0101	Discussion
0441	Abner Salgado Gonzalez TuTh 2:00pm - 3:15pm M 1:00pm - 1:50pm	Seats (Total: 27) ARM 0126 MTH 0101	Discussion
0451	Abner Salgado Gonzalez TuTh 2:00pm - 3:15pm M 2:00pm - 2:50pm	Seats (Total: 27) ARM 0126 MTH 0105	Discussion
FC01	Timothy Pilachowski MW 6:00pm - 7:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 32) JMP 2202	
FC02	Timothy Pilachowski MW 4:30pm - 5:45pm *Restricted to Students in Freshmen Connection.*	Seats (Total: 32) JMP 2202	
FC03	Julia Dobrosotskaya MW 4:30pm - 5:45pm *Restricted to Students in Freshmen Connection.*	Seats (Total: 32) ARM 0119	

MATH221 **Elementary Calculus II**

MATH221 Elementary Calculus II; (3 credits) Grade Method: REG/P-F/AUD. CORE Mathematics or Formal Reasoning (MS) Course.
Prerequisite: MATH220, MATH130, or MATH140. Restriction: Not open to students majoring in mathematics, engineering or the physical sciences. Credit only granted for: MATH131, MATH141, or MATH221. Differential and integral calculus, with emphasis on elementary techniques of integration and applications.

0111	Sabrina Rainwater TuTh 2:00pm - 3:15pm M 8:00am - 8:50am	Seats (Total: 1) ARM 0131 MTH 0101	Discussion
0121	Sabrina Rainwater TuTh 2:00pm - 3:15pm M 9:00am - 9:50am	Seats (Total: 20) ARM 0131 MTH 0101	Discussion
0131	Sabrina Rainwater TuTh 2:00pm - 3:15pm M 10:00am - 10:50am	Seats (Total: 20) ARM 0131 MTH B0429	Discussion
0141	Sabrina Rainwater TuTh 2:00pm - 3:15pm M 11:00am - 11:50am	Seats (Total: 20) ARM 0131 MTH B0429	Discussion

MATH240 **Introduction to Linear Algebra**

MATH240 Introduction to Linear Algebra; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Minimum grade of C- in MATH131; or MATH141. Credit only granted for: MATH240, MATH341, MATH400, or MATH461. Basic concepts of linear algebra: vector spaces, applications to line and plane geometry, linear equations and matrices, similar matrices, linear transformations, eigenvalues, determinants and quadratic forms.

0111	McBlaine Boyle MWF 1:00pm - 1:50pm TuTh 12:00pm - 12:50pm	Seats (Total: 28) ARM 0126 MTH 0103	Discussion
0112	McBlaine Boyle MWF 1:00pm - 1:50pm TuTh 12:00pm - 12:50pm	Seats (Total: 28) ARM 0126 MTH B0423	Discussion
0121	McBlaine Boyle MWF 1:00pm - 1:50pm TuTh 1:00pm - 1:50pm	Seats (Total: 28) ARM 0126 MTH B0425	Discussion
0122	McBlaine Boyle MWF 1:00pm - 1:50pm TuTh 1:00pm - 1:50pm	Seats (Total: 28) ARM 0126 MTH B0423	Discussion

0123	McBlaine Boyle MWF 1:00pm - 1:50pm TuTh 1:00pm - 1:50pm	Seats (Total: 28) ARM 0126 ARM 0103	Discussion
0131	McBlaine Boyle MWF 1:00pm - 1:50pm TuTh 2:00pm - 2:50pm	Seats (Total: 28) ARM 0126 MTH B0421	Discussion
0132	McBlaine Boyle MWF 1:00pm - 1:50pm TuTh 2:00pm - 2:50pm	Seats (Total: 28) ARM 0126 MTH 0302	Discussion
0141	McBlaine Boyle MWF 1:00pm - 1:50pm TuTh 3:00pm - 3:50pm	Seats (Total: 28) ARM 0126 MTH B0421	Discussion
0142	McBlaine Boyle MWF 1:00pm - 1:50pm TuTh 3:00pm - 3:50pm	Seats (Total: 28) ARM 0126 MTH 0104	Discussion

MATH241 **Calculus III**

MATH241 Calculus III; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MATH141. Credit only granted for: MATH241 or MATH340. Introduction to multivariable calculus, including vectors and vector-valued functions, partial derivatives and applications of partial derivatives (such as tangent planes and Lagrange multipliers), multiple integrals, volume, surface area, and the classical theorems of Green, Stokes and Gauss. All sections will use MATLAB.

0111	Justin Wyss-Gallifent MWF 9:00am - 9:50am TuTh 8:00am - 8:50am	Seats (Total: 28) ARM 0131 MTH 0304	Discussion
0112	Justin Wyss-Gallifent MWF 9:00am - 9:50am TuTh 8:00am - 8:50am	Seats (Total: 28) ARM 0131 MTH 0303	Discussion
0121	Justin Wyss-Gallifent MWF 9:00am - 9:50am TuTh 9:00am - 9:50am	Seats (Total: 28) ARM 0131 MTH 0304	Discussion

0122	Justin Wyss-Gallifent MWF 9:00am - 9:50am TuTh 9:00am - 9:50am	Seats (Total: 28) ARM 0131 MTH 0303	Discussion
0131	Justin Wyss-Gallifent MWF 9:00am - 9:50am TuTh 10:00am - 10:50am	Seats (Total: 28) ARM 0131 MTH 0304	Discussion
0132	Justin Wyss-Gallifent MWF 9:00am - 9:50am TuTh 10:00am - 10:50am	Seats (Total: 28) ARM 0131 MTH 0103	Discussion
0141	Justin Wyss-Gallifent MWF 9:00am - 9:50am TuTh 11:00am - 11:50am	Seats (Total: 28) ARM 0131 MTH 0304	Discussion
0142	Justin Wyss-Gallifent MWF 9:00am - 9:50am TuTh 11:00am - 11:50am	Seats (Total: 28) ARM 0131 MTH 0103	Discussion
0211	Antoine Mellet MWF 11:00am - 11:50am TuTh 8:00am - 8:50am	Seats (Total: 28) ARM 0126 MTH 0307	Discussion
0212	Antoine Mellet MWF 11:00am - 11:50am TuTh 8:00am - 8:50am	Seats (Total: 28) ARM 0126 MTH 0101	Discussion
0221	Antoine Mellet MWF 11:00am - 11:50am TuTh 9:00am - 9:50am	Seats (Total: 28) ARM 0126 MTH 0307	Discussion
0222	Antoine Mellet MWF 11:00am - 11:50am TuTh 9:00am - 9:50am	Seats (Total: 28) ARM 0126 MTH 0101	Discussion
0231	Antoine Mellet MWF 11:00am - 11:50am TuTh 10:00am - 10:50am	Seats (Total: 28) ARM 0126 MTH 0307	Discussion

0232	Antoine Mellet MWF 11:00am - 11:50am TuTh 10:00am - 10:50am	Seats (Total: 28) ARM 0126 MTH 0101	Discussion
0241	Antoine Mellet MWF 11:00am - 11:50am TuTh 11:00am - 11:50am	Seats (Total: 28) ARM 0126 MTH 0305	Discussion
0242	Antoine Mellet MWF 11:00am - 11:50am TuTh 11:00am - 11:50am	Seats (Total: 28) ARM 0126 MTH 0101	Discussion
0243	Antoine Mellet MWF 11:00am - 11:50am TuTh 11:00am - 11:50am	Seats (Total: 25) ARM 0126 ARM 0103	Discussion
0311	Elizabeth Wilson MWF 2:00pm - 2:50pm TuTh 10:00am - 10:50am	Seats (Total: 28) ARM 0126 MTH 0303	Discussion
0312	Elizabeth Wilson MWF 2:00pm - 2:50pm TuTh 10:00am - 10:50am	Seats (Total: 28) ARM 0126 ARM 0119	Discussion
0321	Elizabeth Wilson MWF 2:00pm - 2:50pm TuTh 11:00am - 11:50am	Seats (Total: 28) ARM 0126 MTH 0303	Discussion
0322	Elizabeth Wilson MWF 2:00pm - 2:50pm TuTh 11:00am - 11:50am	Seats (Total: 28) ARM 0126 ARM 0101	Discussion
0331	Elizabeth Wilson MWF 2:00pm - 2:50pm TuTh 12:00pm - 12:50pm	Seats (Total: 28) ARM 0126 MTH 0303	Discussion
0332	Elizabeth Wilson MWF 2:00pm - 2:50pm TuTh 12:00pm - 12:50pm	Seats (Total: 28) ARM 0126 CHM 0122	Discussion

0341	Elizabeth Wilson MWF 2:00pm - 2:50pm TuTh 1:00pm - 1:50pm	Seats (Total: 28) ARM 0126 MTH 0303	Discussion
0342	Elizabeth Wilson MWF 2:00pm - 2:50pm TuTh 1:00pm - 1:50pm	Seats (Total: 25) ARM 0126 CHM 0122	Discussion
0411	Mahesh Nerurkar MWF 9:00am - 9:50am TuTh 8:00am - 8:50am	Seats (Total: 28) ARM 0135 ARM 0117	Discussion
0412	Mahesh Nerurkar MWF 9:00am - 9:50am TuTh 8:00am - 8:50am	Seats (Total: 28) ARM 0135 CHM 0127	Discussion
0421	Mahesh Nerurkar MWF 9:00am - 9:50am TuTh 9:00am - 9:50am	Seats (Total: 28) ARM 0135 ARM 0117	Discussion
0422	Mahesh Nerurkar MWF 9:00am - 9:50am TuTh 9:00am - 9:50am	Seats (Total: 28) ARM 0135 CHM 0127	Discussion
0431	Mahesh Nerurkar MWF 9:00am - 9:50am TuTh 10:00am - 10:50am	Seats (Total: 28) ARM 0135 CHM 0127	Discussion
0432	Mahesh Nerurkar MWF 9:00am - 9:50am TuTh 10:00am - 10:50am	Seats (Total: 28) ARM 0135 BPS 1234	Discussion
0441	Mahesh Nerurkar MWF 9:00am - 9:50am TuTh 11:00am - 11:50am	Seats (Total: 28) ARM 0135 CHM 0128	Discussion
0442	Mahesh Nerurkar MWF 9:00am - 9:50am TuTh 11:00am - 11:50am	Seats (Total: 28) ARM 0135 BPS 1234	Discussion

MATH241H Calculus III

MATH241H Calculus III; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MATH141. Credit only granted for: MATH241 or MATH340. Introduction to multivariable calculus, including vectors and vector-valued functions, partial derivatives and applications of partial derivatives (such as tangent planes and Lagrange multipliers), multiple integrals, volume, surface area, and the classical theorems of Green, Stokes and Gauss. For general honors students only. MATH241H will use MATLAB.

0101	Horst Winkelnkemper MTuWF 2:00pm - 2:50pm	Seats (Total: 30) MTH B0425	
0201	Michelle Lee MF 11:00am - 11:50am W 11:00am - 12:50pm	Seats (Total: 30) MTH 0304 MTH 0103	

MATH246 **Differential Equations for Scientists and Engineers**

MATH246 Differential Equations for Scientists and Engineers; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MATH141; and (PHYS171, PHYS161, ENES102, or MATH240). Credit only granted for: MATH246 or MATH341. An introduction to the basic methods of solving ordinary differential equations. Equations of first and second order, linear differential equations, Laplace transforms, numerical methods and the qualitative theory of differential equations. All sections will use MATLAB.

0111	Matei Machedon MWF 12:00pm - 12:50pm Tu 8:00am - 8:50am	Seats (Total: 27) ARM 0131 MTH B0429	 Discussion
0112	Matei Machedon MWF 12:00pm - 12:50pm Tu 8:00am - 8:50am	Seats (Total: 27) ARM 0131 MTH 0103	 Discussion
0121	Matei Machedon MWF 12:00pm - 12:50pm Tu 9:00am - 9:50am	Seats (Total: 27) ARM 0131 MTH B0429	 Discussion
0122	Matei Machedon MWF 12:00pm - 12:50pm Tu 9:00am - 9:50am	Seats (Total: 27) ARM 0131 MTH 0103	 Discussion

0131	Matei Machedon MWF 12:00pm - 12:50pm Tu 10:00am - 10:50am	Seats (Total: 27) ARM 0131 MTH B0429	Discussion
0132	Matei Machedon MWF 12:00pm - 12:50pm Tu 10:00am - 10:50am	Seats (Total: 27) ARM 0131 MTH 0401	Discussion
0141	Matei Machedon MWF 12:00pm - 12:50pm Tu 11:00am - 11:50am	Seats (Total: 27) ARM 0131 MTH B0429	Discussion
0142	Matei Machedon MWF 12:00pm - 12:50pm Tu 11:00am - 11:50am	Seats (Total: 27) ARM 0131 MTH B0427	Discussion
0211	Charles Levermore TuTh 2:00pm - 3:15pm W 8:00am - 8:50am	Seats (Total: 27) PHY 1412 MTH B0423	Discussion
0212	Charles Levermore TuTh 2:00pm - 3:15pm W 8:00am - 8:50am	Seats (Total: 27) PHY 1412 CHE 2136	Discussion
0221	Charles Levermore TuTh 2:00pm - 3:15pm W 9:00am - 9:50am	Seats (Total: 27) PHY 1412 MTH B0423	Discussion
0222	Charles Levermore TuTh 2:00pm - 3:15pm W 9:00am - 9:50am	Seats (Total: 27) PHY 1412 CHE 2136	Discussion
0231	Charles Levermore TuTh 2:00pm - 3:15pm W 10:00am - 10:50am	Seats (Total: 28) PHY 1412 MTH B0423	Discussion
0232	Charles Levermore TuTh 2:00pm - 3:15pm W 10:00am - 10:50am	Seats (Total: 28) PHY 1412 CHE 2136	Discussion

0241	Charles Levermore TuTh 2:00pm - 3:15pm W 11:00am - 11:50am	Seats (Total: 27) PHY 1412 MTH B0423	Discussion
0242	Charles Levermore TuTh 2:00pm - 3:15pm W 11:00am - 11:50am	Seats (Total: 27) PHY 1412 CHE 2136	Discussion
0311	Casey Cremins MWF 12:00pm - 12:50pm Tu 8:00am - 8:50am	Seats (Total: 25) CCC 1100 MTH 0405	Discussion
0321	Casey Cremins MWF 12:00pm - 12:50pm Tu 9:00am - 9:50am	Seats (Total: 25) CCC 1100 MTH 0403	Discussion
0331	Casey Cremins MWF 12:00pm - 12:50pm Tu 10:00am - 10:50am	Seats (Total: 25) CCC 1100 MTH 0405	Discussion
0341	Casey Cremins MWF 12:00pm - 12:50pm Tu 11:00am - 11:50am	Seats (Total: 25) CCC 1100 EGR 1102	Discussion

MATH246H **Differential Equations for Scientists and Engineers**

MATH246H Differential Equations for Scientists and Engineers; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MATH141; and (PHYS171, PHYS161, ENES102, or MATH240). Credit only granted for: MATH246 or MATH341. An introduction to the basic methods of solving ordinary differential equations. Equations of first and second order, linear differential equations, Laplace transforms, numerical methods and the qualitative theory of differential equations. For general honors students only. MATH241H will use MATLAB.

0101	Richard Wentworth TuTh 12:30pm - 1:45pm	Seats (Total: 20) PHY 1204	

MATH274 **History of Mathematics**

MATH274 History of Mathematics; (3 credits) Grade Method: REG/P-F/AUD. CORE Interdisciplinary & Emerging Issues (IE) Course.
Prerequisite: MATH140 or MATH220. An overview of aspects in the history of mathematics from its beginning in the concrete problem solving of ancient times through the development of abstraction in the 19th and 20th centuries. The course considers both mathematical ideas and the context in which they developed in various civilizations around the world. MATH 274 cannot satisfy a CMSC major requirement.

0101	Horst Winkelnkemper MWF 12:00pm - 12:50pm	Seats (Total: 20) MTH 0407

MATH299B **Selected Topics in Mathematics; Putnam Express**

MATH299B Selected Topics in Mathematics: Putnam Express; (1 credit) Grade Method: REG/P-F/AUD.

0101	Brian Hunt M 4:00pm - 5:30pm	Seats (Total: 20) MTH 0102

MATH310 **Introduction to Analysis**

MATH310 Introduction to Analysis; (3 credits) Grade Method: REG.
Prerequisite: MATH141. Corequisite: Concurrently enrolled in MATH241. Restriction: Must be in a major within CMNS-Mathematics department. Additional information: Math majors may not use this course to satisfy an upper-level requirement. To prepare students for MATH410 Advanced Calculus. To develop the students' ability to construct a rigorous proof of a mathematical claim. Students will also be made aware of mathematical results that are of interest to those wishing to analyze a particular mathematical model. Topics will be drawn from logic, set theory, structure of the number line, elementary topology, metric spaces, functions, sequences and continuity.

0101	Steve Halperin MWF 9:00am - 9:50am	Seats (Total: 26) MTH 0407
0201	Kathryn Truman MWF 10:00am - 10:50am	Seats (Total: 27) MTH 0307

MATH314 **Introduction to Probability, Data, Analysis and Statistics for Preservice Middle School Teachers**

MATH314 Introduction to Probability, Data, Analysis and Statistics for Preservice Middle School Teachers; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: MATH214. Restriction: Must be in one of the following programs (Elementary Education; Special Education; Middle School Education) ; or permission of CMNS-Mathematics department. Credit only granted for: MATH314 or STAT100.* Analysis of bivariate data, probability and randomness, law of large numbers, central limit theorem, probabilities for independent and dependent events, counting techniques, random variables and probability distributions, expected values, sampling distributions, and confidence intervals.

0101	Rodrigo Gutierrez W 2:00pm - 3:15pm M 2:00pm - 3:15pm	Seats (Total: 20) EDU 1210B EDU 2121

MATH315 **Algebra for Preservice Middle School Teachers**

MATH315 Algebra for Preservice Middle School Teachers; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MATH212. Restriction: Permission of CMNS-Mathematics department; or must be in one of the following programs (Elementary Education; Special Education; Middle School Education). Credit only granted for: MATH112, MATH113, or MATH315. Algebraic concepts and techniques developed in the middle grades, with their larger mathematical context. Equations, inequalities and functions (linear, polynomial, exponential, logarithmic), with multiple representations of relationships. Common misconceptions of beginning algebra students.

0101	Karen McLaren MW 3:30pm - 4:45pm	Seats (Total: 30) MTH 0307

MATH340 **Multivariable Calculus, Linear Algebra and Differential Equations I (Honors)**

MATH340 *(PermReq)* **Multivariable Calculus, Linear Algebra and Differential Equations I (Honors); (4 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: MATH141 and MATH140; and permission of CMNS-Mathematics department. Credit only granted for: MATH241 or MATH340. First semester of the MATH340-341 sequence which gives a unified and enriched treatment of multivariable calculus, linear algebra and ordinary differential equations, with supplementary material from subjects such as differential geometry, Fourier series and calculus of variations. Students completing MATH340-341 will have covered the material of MATH240, MATH241, and MATH246, and may not also receive credit for MATH240, MATH241 or MATH246.

0101	Michael Jakobson MWF 9:00am - 10:15am	Seats (Total: 33) EGR 3106
0201	Manoussos Grillakis MWF 11:00am - 12:15pm	Seats (Total: 35) MTH 0201

MATH386 **Experiential Learning**

MATH386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: Must have learning proposal approved by the Office of Experiential Learning Programs, faculty sponsor, and student's internship sponsor. Restriction: Junior standing or higher.

Contact department for information to register for this course.

MATH401 **Applications of Linear Algebra**

MATH401 Applications of Linear Algebra; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MATH461 or MATH240. Various applications of linear algebra: theory of finite games, linear programming, matrix methods as applied to finite Markov chains, random walk, incidence matrices, graphs and directed graphs, networks and transportation problems.

0101	Jeffrey Adams MWF 10:00am - 10:50am	Seats (Total: 33) EGR 2154

0201	Wujun Zhang MWF 2:00pm - 2:50pm	Seats (Total: 33) MTH 0201
0301	Harland Glaz TuTh 2:00pm - 3:15pm	Seats (Total: 33) MTH 0106

MATH402 **Algebraic Structures**

MATH402 Algebraic Structures; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: MATH240. Restriction: Must not be in any of the following programs (Mathematics (Master's); Mathematics (Doctoral)). Credit only granted for: MATH402 or MATH403.* For students having only limited experience with rigorous mathematical proofs. Parallels MATH403. Students planning graduate work in mathematics should take MATH403. Groups, rings, integral domains and fields, detailed study of several groups; properties of integers and polynomials. Emphasis is on the origin of the mathematical ideas studied and the logical structure of the subject.

0101	Frances Gulick MWF 10:00am - 10:50am	Seats (Total: 20) MTH 0403

MATH403 **Introduction to Abstract Algebra**

MATH403 Introduction to Abstract Algebra; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Students who have taken courses with similar or comparable course content may contact the department. Or MATH240; and MATH241. Credit only granted for: MATH402 or MATH403. Integers; groups, rings, integral domains, fields.

0101	James Schafer TuTh 12:30pm - 1:45pm	Seats (Total: 32) MTH 0306

MATH405 **Linear Algebra**

MATH405 Linear Algebra; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: MATH461 or MATH240.* An abstract treatment of finite dimensional vector spaces. Linear transformations and their invariants.

0101	Amin Gholampour MWF 10:00am - 10:50am	Seats (Total: 35) MTH 0201

MATH406 **Introduction to Number Theory**

MATH406 Introduction to Number Theory; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MATH141; or permission of CMNS-Mathematics department. Integers, divisibility, prime numbers, unique factorization, congruences, quadratic reciprocity, Diophantine equations and arithmetic functions.

0101	Niranjan Ramachandran MWF 9:00am - 9:50am	Seats (Total: 32) MTH 0103
0201	Patrick Brosnan TuTh 12:30pm - 1:45pm	Seats (Total: 29) MTH 0407
0301	Harry Tamvakis TuTh 2:00pm - 3:15pm	Seats (Total: 33) MTH 0201

MATH410 **Advanced Calculus I**

MATH410 *(PermReq)* **Advanced Calculus I; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: Minimum grade of C- in MATH240 and MATH241; and permission of CMNS-Mathematics department. First semester of a year course. Subjects covered during the year are: sequences and series of numbers, continuity and differentiability of real valued functions of one variable, the Riemann integral, sequences of functions and power series. Functions of several variables including partial derivatives, multiple integrals, line and surface integrals. The implicit function theorem.

0101	Denny Gulick MWF 10:00am - 10:50am	Seats (Total: 32) MTH 0303
0201	McBlaine Boyle MWF 11:00am - 11:50am	Seats (Total: 32) CHM 0122
0301	David Hamilton MWF 12:00pm - 12:50pm	Seats (Total: 35) MTH B0421
0401	Matei Machedon MWF 2:00pm - 2:50pm	Seats (Total: 28) MTH 0401

0501	Justin Wyss-Gallifent MWF 11:00am - 11:50am	Seats (Total: 34) EGR 3106

MATH411 **Advanced Calculus II**

MATH411 *(PermReq)* **Advanced Calculus II; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: MATH410; and permission of CMNS-Mathematics department. Credit only granted for: MATH411 or MATH412. Continuation of MATH410.

0101	Wojciech Czaja MWF 9:00am - 9:50am	Seats (Total: 35) MTH 0303
0201	Manoussos Grillakis MWF 9:00am - 9:50am	Seats (Total: 35) MTH 0304

MATH416 **Applied Harmonic Analysis: An Introduction to Signal Processing**

MATH416 Applied Harmonic Analysis: An Introduction to Signal Processing; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MATH141 and MATH240; or permission of CMNS-Mathematics department. And Familiarity with MATLAB is also required. Introduces students to the mathematical concepts arising in signal analysis from the applied harmonic analysis point of view. Topics include applied linear algebra, Fourier series, discrete Fourier transform, Fourier transform, Shannon Sampling Theorem, wavelet bases, multiresolution analysis, and discrete wavelet transform.

0101	Xuemei Chen MWF 1:00pm - 1:50pm	Seats (Total: 20) MTH 0305

MATH424 **Introduction to the Mathematics of Finance**

MATH424 *(PermReq)* **Introduction to the Mathematics of Finance; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: MATH141; and (STAT400 or BMGT231); and permission of CMNS-Mathematics department. Recommended: MATH246, MATH240, or MATH241. Credit only granted for: BMGT444, MATH424, or MATH498F. Formerly: MATH498F. Introduction to the mathematical models used in finance and economics with emphasis on pricing derivative instruments. Designed for students in mathematics, computer science, engineering, finance and physics. Financial markets and instruments; elements from basic probability theory; interest rates and present value analysis; normal distribution of stock returns; option pricing; arbitrage pricing theory; the multiperiod binomial model; the Black-Scholes option pricing formula; proof of the Black-Scholes option pricing formula and applications; trading and hedging of options; Delta hedging; utility functions and portfolio theory; elementary stochastic calculus; Ito's Lemma; the Black-Scholes equation and its conversion to the heat equation.

0101	Dmitry Dolgopyat	Seats (Total: 29)
	TuTh 9:30am - 10:45am	MTH B0427

MATH430 **Euclidean and Non-Euclidean Geometries**

MATH430 Euclidean and Non-Euclidean Geometries; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MATH141. Hilbert's axioms for Euclidean geometry. Neutral geometry: the consistency of the hyperbolic parallel postulate and the inconsistency of the elliptic parallel postulate with neutral geometry. Models of hyperbolic geometry. Existence and properties of isometries.

0101	Yanir Rubinstein	Seats (Total: 28)
	TuTh 2:00pm - 3:15pm	MTH B0427

MATH431 **Geometry for Computer Graphics**

MATH431 Geometry for Computer Graphics; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MATH461 or MATH240. Topics from projective geometry and transformation geometry, emphasizing the two-dimensional representation of three-dimensional objects and objects moving about in the plane and space. The emphasis will be on formulas and algorithms of immediate use in computer graphics.

0101	William Goldman	Seats (Total: 28)
	TuTh 11:00am - 12:15pm	MTH 1313

MATH432 **Introduction to Topology**

MATH432 Introduction to Topology; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: MATH410; or students who have taken courses with similar or comparable course content may contact the department.* Metric spaces, topological spaces, connectedness, compactness (including Heine-Borel and Bolzano-Weierstrass theorems), Cantor sets, continuous maps and homeomorphisms, fundamental group (homotopy, covering spaces, the fundamental theorem of algebra, Brouwer fixed point theorem), surfaces (e.g., Euler characteristic, the index of a vector field, hairy sphere theorem), elements of combinatorial topology (graphs and trees, planarity, coloring problems).

0101	Joel Cohen	Seats (Total: 20)
	TuTh 12:30pm - 1:45pm	MTH 0104

MATH436 **Differential Geometry of Curves and Surfaces I**

MATH436 Differential Geometry of Curves and Surfaces I; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MATH241; and (MATH461 or MATH240); and Must have completed two 400-level MATH courses (not including MATH400, 461 and 478). Curves in the plane and Euclidean space, moving frames, surfaces in Euclidean space, orientability of surfaces; Gaussian and mean curvatures; surfaces of revolution, ruled surfaces, minimal surfaces, special curves on surfaces, "Theorema Egregium"; the intrinsic geometry of surfaces.

0101	Richard Wentworth	Seats (Total: 22)
	TuTh 11:00am - 12:15pm	MTH B0421

MATH445 **Elementary Mathematical Logic**

MATH445 Elementary Mathematical Logic; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MATH141. Credit only granted for: MATH445, MATH450, or CMSC450. Elementary development of propositional and predicate logic, including semantics and deductive systems and with a discussion of completeness, incompleteness and the decision problem.

0101	Koushik Pal	Seats (Total: 28)	
	TuTh 12:30pm - 1:45pm	MTH 1308	

MATH456 **Cryptology**

MATH456 *(PermReq)* **Cryptology; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: 2 courses from MATH400-499 course range. Or CMSC351 and CMSC330; and permission of CMNS-Mathematics department. Also offered as: CMSC456. Credit only granted for: MATH456 or CMSC456. Importance in protecting data in communications between computers. The subject lies on the border between mathematics and computer science. Mathematical topics include number theory and probability. Computer science topics include complexity theory.

0101	Jonathan Katz	Seats (Total: 50)	
	MWF 10:00am - 10:50am	CSI 1122	

MATH461 **Linear Algebra for Scientists and Engineers**

MATH461 Linear Algebra for Scientists and Engineers; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MATH141; and Must have completed any MATH or STAT course with a prerequisite of MATH141. Credit only granted for: MATH240, MATH341, MATH400, or MATH461. Additional information: This course may not be used towards the upper level math requirements for MATH/STAT majors. Basic concepts of linear algebra. This course is similar to MATH 240, but with more extensive coverage of the topics needed in applied linear algebra: change of basis, complex eigenvalues, diagonalization, the Jordan canonical form.

0111	Melissa Macasieb	Seats (Total: 28)	
	TuTh 2:00pm - 3:15pm	ARM 0135	
	W 8:00am - 8:50am	MTH 0305	Discussion

0112	Melissa Macasieb TuTh 2:00pm - 3:15pm W 9:00am - 9:50am	Seats (Total: 28) ARM 0135 MTH 0305	Discussion
0121	Melissa Macasieb TuTh 2:00pm - 3:15pm W 10:00am - 10:50am	Seats (Total: 28) ARM 0135 MTH 0305	Discussion
0122	Melissa Macasieb TuTh 2:00pm - 3:15pm W 10:00am - 10:50am	Seats (Total: 28) ARM 0135 MTH B0429	Discussion
0131	Melissa Macasieb TuTh 2:00pm - 3:15pm W 11:00am - 11:50am	Seats (Total: 28) ARM 0135 MTH 0305	Discussion
0132	Melissa Macasieb TuTh 2:00pm - 3:15pm W 11:00am - 11:50am	Seats (Total: 28) ARM 0135 MTH B0429	Discussion
0133	Melissa Macasieb TuTh 2:00pm - 3:15pm W 11:00am - 11:50am	Seats (Total: 28) ARM 0135 MTH 0307	Discussion

MATH462 **Partial Differential Equations for Scientists and Engineers**

MATH462 Partial Differential Equations for Scientists and Engineers; (3 credits)
Grade Method: REG/P-F/AUD.
Prerequisite: MATH246 and MATH241. Linear spaces and operators, orthogonality, Sturm-Liouville problems and eigenfunction expansions for ordinary differential equations. Introduction to partial differential equations, including the heat equation, wave equation and Laplace's equation. Boundary value problems, initial value problems and initial-boundary value problems.

0101	Antoine Mellet MWF 1:00pm - 1:50pm	Seats (Total: 33) MTH 0201	
0201	Ricardo Nochetto TuTh 11:00am - 12:15pm	Seats (Total: 33) PHY 0405	

MATH463 **Complex Variables for Scientists and Engineers**

MATH463 Complex Variables for Scientists and Engineers; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MATH241; or students who have taken courses with similar or comparable course content may contact the department. The algebra of complex numbers, analytic functions, mapping properties of the elementary functions. Cauchy integral formula. Theory of residues and application to evaluation of integrals. Conformal mapping.

0101	Michael Jakobson	Seats (Total: 33)
	MWF 11:00am - 11:50am	MTH 0303

MATH464 **Transform Methods for Scientists and Engineers**

MATH464 Transform Methods for Scientists and Engineers; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MATH246. Fourier transform, Fourier series, discrete fast Fourier transform (DFT and FFT). Laplace transform. Poisson summations, and sampling. Optional Topics: Distributions and operational calculus, PDEs, Wavelet transform, Radon transform and applications such as Imaging, Speech Processing, PDEs of Mathematical Physics, Communications, Inverse Problems.

0101	Radu Balan	Seats (Total: 30)
	TuTh 3:30pm - 4:45pm	CSI 4122

MATH470 **Mathematics for Secondary Education**

MATH470 Mathematics for Secondary Education; (3 credits) Grade Method: REG/AUD.
Prerequisite: MATH141 and MATH140; and 1 course from MATH400-499 course range. Credit only granted for: MATH470 or MATH498E. Formerly: MATH498E. An advanced perspective on some of the core mathematics underlying high school mathematics courses. Topics include number systems, functions of one variable, equations, inequalities, trigonometric functions, curve fitting, and polynomials. The course includes an analysis of alternate approaches to mathematical ideas and problems, and makes connections between ideas that may have been studied separately in different high school and college courses.

0101	Elizabeth Wilson	Seats (Total: 26)
	TuTh 12:30pm - 1:45pm	EGR 0108

MATH478A **Selected Topics For Teachers of Mathematics**

MATH478A *(PermReq)* **Selected Topics For Teachers of Mathematics; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MATH481 **Statistics and Data Analysis for Middle School Teachers**

MATH481 Statistics and Data Analysis for Middle School Teachers; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MATH214; or students who have taken courses with similar or comparable course content may contact the department. Restriction: Must be a middle school teacher. Credit only granted for: MATH481 or MATH485. Formerly: MATH498B. Additional information: This course may not be used towards the upper level math requirements for the MATH/STAT major. Prepares teachers with elementary certification to teach simple data analysis and probability in middle school. Focuses on understanding basic statistics, data analysis, and related theoretical ideas.

IHP1	Janet Walkoe	Seats (Total: 20)
	Meets August 29, 2012 - December 13, 2012	
	Tu 5:00pm - 8:00pm	Location: TBA
	Department permission required. Contact Diane James at djames1@umd.edu	

MATH482 **Geometry for Middle School Teachers**

MATH482 Geometry for Middle School Teachers; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MATH214; or students who have taken courses with similar or comparable course content may contact the department. Restriction: Must be a middle school teacher; and Senior standing. Credit only granted for: MATH482 or MATH484. Additional information: This may not be used towards the upper level math requirements for the MATH/STAT major. Prepares teachers with elementary certification to teach geometry in middle school. Focuses on understanding basic geometry concepts and related theoretical ideas.

IHP1	Karen McLaren	Seats (Total: 20)
	Meets August 29, 2012 - December 13, 2012	
	Th 5:00pm - 8:00pm	Location: TBA
	Department permission required. Contact Diane James at djames1@umd.edu.	

MATH489 **Research Interactions in Mathematics; Research Interactions in Mathematics**

MATH489 *(PermReq)* **Research Interactions in Mathematics: Research Interactions in Mathematics; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MATH498A **Selected Topics in Mathematics**

MATH498A *(PermReq)* **Selected Topics in Mathematics; (1-9 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MATH600 **Abstract Algebra I**

MATH600 Abstract Algebra I; (3 credits) Grade Method: REG/AUD.
Prerequisite: MATH405 and MATH403; or students who have taken courses with similar or comparable course content may contact the department. Groups with operators, homomorphism and isomorphism theorems, normal series, Sylow theorems, free groups, Abelian groups, rings, integral domains, fields, modules. Topics may include HOM (A,B), Tensor products, exterior algebra. Offered fall only.

0101	Niranjan Ramachandran MWF 10:00am - 10:50am	Seats (Total: 20) MTH 1313

MATH608A **Selected Topics in Algebra**

MATH608A Selected Topics in Algebra; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MATH608E **Selected Topics in Algebra; Complex Algebraic Geometry**

MATH608E Selected Topics in Algebra: Complex Algebraic Geometry; (1-3 credits) Grade Method: REG/AUD.

0101	Patrick Brosnan TuTh 9:30am - 10:45am	Seats (Total: 20) CHM 0124

MATH608P **Selected Topics in Algebra; P-Adic Representation Theory**

MATH608P Selected Topics in Algebra: P-Adic Representation Theory; (1-3 credits) Grade Method: REG/AUD.

0101	Thomas Haines MWF 11:00am - 11:50am	Seats (Total: 10) MTH 1308

MATH620 **Algebraic Number Theory I**

MATH620 Algebraic Number Theory I; (3 credits) Grade Method: REG/AUD. *Prerequisite: MATH601.* Algebraic numbers and algebraic integers, algebraic number fields of finite degree, ideals and units, fundamental theorem of algebraic number theory, theory of residue classes, Minkowski's theorem on linear forms, class numbers, Dirichlet's theorem on units, relative algebraic number fields, decomposition group, inertia group and ramification group of prime ideals with respect to a relatively Galois extension.

0101	Lawrence Washington TuTh 11:00am - 12:15pm	Seats (Total: 20) MTH 1311

MATH630 **Real Analysis I**

MATH630 Real Analysis I; (3 credits) Grade Method: REG/AUD.
Prerequisite: MATH411; or students who have taken courses with similar or comparable course content may contact the department. Lebesgue measure and the Lebesgue integral on R, differentiation of functions of bounded variation, absolute continuity and fundamental theorem of calculus, Lp spaces on R, Riesz-Fischer theorem, bounded linear functionals on Lp, measure and outer measure, Fubini's theorem.

0101	Kasso Okoudjou	Seats (Total: 33)
	MWF 9:00am - 9:50am	MTH 0201

MATH632 **Functional Analysis**

MATH632 Functional Analysis; (3 credits) Grade Method: REG/AUD.
Prerequisite: MATH631. Introduction to functional analysis and operator theory: normed linear spaces, basic principles of functional analysis, bounded linear operators on Hilbert spaces, spectral theory of selfadjoint operators, applications to differential and integral equations, additional topics as time permits.

0101	Patrick Fitzpatrick	Seats (Total: 20)
	MWF 11:00am - 11:50am	MTH 1313

MATH642 **Dynamical Systems I**

MATH642 Dynamical Systems I; (3 credits) Grade Method: REG/AUD.
Prerequisite: MATH432. And MATH630; or students who have taken courses with similar or comparable course content may contact the department. Foundations of topological dynamics, homeomorphisms, flows, periodic and recurrent points, transitivity and minimality, symbolic dynamics. Elements of ergodic theory, invariant measures and sets, ergodicity, ergodic theorems, mixing, spectral theory, flows and sections. Applications of dynamical systems to number theory, the Weyl theorem, the distribution of values of polynomials, Vander Waerden's theorem on arithmetic progressions.

0101	William Goldman	Seats (Total: 20)
	TuTh 2:00pm - 3:15pm	MTH 0101

MATH648A **Selected Topics in Analysis**

MATH648A Selected Topics in Analysis; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MATH648J **Selected Topics in Analysis; Special Topics in Abstract and Applied Harmonic Analysis**

MATH648J Selected Topics in Analysis: Special Topics in Abstract and Applied Harmonic Analysis; (1-3 credits) Grade Method: REG/AUD.

0101	John Benedetto	Seats (Total: 20)
	TuTh 11:00am - 12:15pm	MTH 1308

MATH661 **Complex Analysis II**

MATH661 Complex Analysis II; (3 credits) Grade Method: REG/AUD. *Prerequisite: MATH630 and MATH660.* Topics in conformal mappings, normal families, Picard's theorem, classes of univalent functions, extremal properties, variational methods, elliptic functions, Riemann surfaces.

0101	Scott Wolpert	Seats (Total: 20)
	MWF 1:00pm - 1:50pm	MTH 0403

MATH668A **Selected Topics in Complex Analysis**

MATH668A Selected Topics in Complex Analysis; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MATH670 **Ordinary Differential Equations I**

MATH670 Ordinary Differential Equations I; (3 credits) Grade Method: REG/AUD. *Prerequisite: MATH405. And MATH410; or students who have taken courses with similar or comparable course content may contact the department. Credit only granted for: AMSC670 or MATH670.* Existence and uniqueness, linear systems usually with Floquet theory for periodic systems, linearization and stability, planar systems usually with Poincare-Bendixson theorem. Offered fall only.

0101	Vadim Kaloshin	Seats (Total: 20)
	TuTh 11:00am - 12:15pm	MTH 0407

MATH673 **Partial Differential Equations I**

MATH673 Partial Differential Equations I; (3 credits) Grade Method: REG/AUD. *Prerequisite: MATH411; or students who have taken courses with similar or comparable course content may contact the department. Credit only granted for: AMSC673 or MATH673.* Analysis of boundary value problems for Laplace's equation, initial value problems for the heat and wave equations. Fundamental solutions, maximum principles, energy methods. First order nonlinear PDE, conservation laws. Characteristics, shock formation, weak solutions. Distributions, Fourier transform. Offered fall only.

0101	Pierre-Emmanuel Jabin	Seats (Total: 20)
	TuTh 12:30pm - 1:45pm	ITV 1111

MATH689 **Research Interactions in Mathematics**

MATH689 *(PermReq)* **Research Interactions in Mathematics; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MATH695 **Teaching Seminar**

MATH695 Teaching Seminar; (1 credit) Grade Method: REG.
Restriction: Must be in one of the following programs (Mathematics (Doctoral); Mathematics (Master's); Mathematical Statistics (Doctoral); Applied Mathematics and Scientific Computation (Master's); Mathematical Statistics (Master's); Applied Mathematics and Scientific Computation (Doctoral)). A course intended for first year teaching assistants. Topics include: everyday mechanics of teaching; teaching methods and styles; technology; course enrichment, diversity in the classroom; sexual harassment; teacher-student interactions; presentations by students.

0101	Justin Wyss-Gallifent	Seats (Total: 20)
	W 4:00pm - 5:30pm	MTH B0421

MATH712 **Mathematical Logic I**

MATH712 Mathematical Logic I; (3 credits) Grade Method: REG/AUD.
Sentential logic, first-order languages, models and formal deductions. Basic model theory including completeness and compactness theorems, other methods of constructing models, and applications such as non-standard analysis. Offered fall only.

0101	Michael Laskowski MWF 11:00am - 11:50am	Seats (Total: 20) MTH 0411

MATH718A **Selected Topics in Mathematical Logic**

MATH718A Selected Topics in Mathematical Logic; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MATH718M **Selected Topics in Mathematical Logic; Topics in Logic**

MATH718M Selected Topics in Mathematical Logic: Topics in Logic; (1-3 credits) Grade Method: REG/AUD.

0101	Michael Laskowski MWF 2:00pm - 2:50pm	Seats (Total: 20) MTH 0302

MATH730 **Fundamental Concepts of Topology**

MATH730 Fundamental Concepts of Topology; (3 credits) Grade Method: REG/AUD.
Prerequisite: MATH403, MATH410, and MATH411; or students who have taken courses with similar or comparable course content may contact the department.
Survey of basic point set topology, fundamental group, covering spaces, Van Kampen's theorem, simplicial complexes, simplicial homology, Euler characteristics and classification of surfaces.

0101	Christian Zickert TuTh 9:30am - 10:45am	Seats (Total: 20) EGR 3114

MATH740 **Fundamental Concepts of Differential Geometry**

MATH740 Riemannian Geometry; (3 credits) Grade Method: REG/AUD. *Prerequisite: MATH405 and MATH411; or students who have taken courses with similar or comparable course content may contact the department.* Manifolds, tangent vectors and differential forms, Riemannian metrics, connections, curvature, structure equations, geodesics, completeness, immersions, tensor algebra, Lie derivative.

0101	Jonathan Rosenberg	Seats (Total: 20)
	MWF 9:00am - 9:50am	MTH 1313

MATH748A **Selected Topics in Geometry and Topology**

MATH748A Selected Topics in Geometry and Topology; (3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MATH799 **Master's Thesis Research**

MATH799 Master's Thesis Research; (1-6 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MATH898 **Pre-Candidacy Research**

MATH898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MATH899 **Doctoral Dissertation Research**

MATH899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MEES Marine-Estuarine-Environmental Sciences Fall 2012

MEES607 **Quantitative Methods in Environmental Sciences**

MEES607 Quantitative Methods in Environmental Sciences; (3 credits) Grade Method: REG/AUD.
Prerequisite: MATH220 and MATH221; or students who have taken courses with similar or comparable course content may contact the department. Credit only granted for: MEES607 or MEES698G. Formerly: MEES698G. Mathematical approaches and solutions (both analytical and numerical) that cut across environmental disciplines, and will introduce analytical techniques. Taught at the Institute of Marine & Environmental Technology and on the Interactive Video Network.

0101	Lawrence Sanford, Lora Harris	Seats (Total: 20)	
	TuTh 3:30pm - 5:00pm	HJP 1213B	
	F 9:00am - 10:00am	HJP 1213B	Discussion

MEES608C **Seminar in Marine-Estuarine-Environmental Sciences; Diseases in Chesapeake Bay Fisheries**

MEES608C Seminar in Marine-Estuarine-Environmental Sciences: Diseases in Chesapeake Bay Fisheries; (2 credits) Grade Method: REG/AUD.
Taught at the Institute of Marine & Environmental Technology and on the Interactive Video Network.

0101	Eric Schott	Seats (Total: 15)
	M 3:00pm - 5:00pm	HJP 1213B

MEES608D **Seminar in Marine-Estuarine-Environmental Sciences; Scientific Writing and Communication**

MEES608D *(PermReq)* **Seminar in Marine-Estuarine-Environmental Sciences: Scientific Writing and Communication; (1 credit)** Grade Method: REG/AUD.
Course is taught at the Horn Point Laboratory and on the Interactive Video Network.

0101	Victor Kennedy	Seats (Total: 20)
	F 10:00am - 12:00pm	HJP 1213B

MEES608E **Seminar in Marine-Estuarine-Environmental Sciences; Spatial Ecology**

MEES608E Seminar in Marine-Estuarine-Environmental Sciences: Spatial Ecology; (1 credit) Grade Method: REG/AUD.
Course is taught at the Chesapeake Biological Laboratory and on the Interactive Video Network.

0101	Helen Bailey, Hongsheng Bi Th 5:00pm - 6:00pm	Seats (Total: 15) HJP 1213B

MEES608O **Seminar in Marine-Estuarine-Environmental Sciences; Current Topics in Omics: Cell Biology and Neurosciences**

MEES608O Seminar in Marine-Estuarine-Environmental Sciences: Current Topics in Omics: Cell Biology and Neurosciences; (2 credits) Grade Method: REG/AUD.
Course is taught at the Institute of Marine & Environmental Technology, Baltimore, MD and on the Interactive Video Network.

0101	Jum Sook Chung, Shao Du F 12:00pm - 1:30pm	Seats (Total: 10) HJP 1213B

MEES608R **Seminar in Marine-Estuarine-Environmental Sciences; Mixed Effects Models in R**

MEES608R Seminar in Marine-Estuarine-Environmental Sciences: Mixed Effects Models in R; (1 credit) Grade Method: REG/AUD.
Taught at the Appalachian Laboratory, Frostburg, MD.

0101	Robert Hilderbrand Contact instructor or department for details.	Seats (Total: 10)

MEES608Z **Seminar in Marine-Estuarine-Environmental Sciences; Emerging Topics in the Cycling of Methane in Chesapeake Bay**

MEES608Z Seminar in Marine-Estuarine-Environmental Sciences: Emerging Topics in the Cycling of Methane in Chesapeake Bay; (1 credit) Grade Method: REG/AUD.
Taught at the Chesapeake Biological Laboratory and on the Interactive Video Network.

0101	Laura Lapham Tu 5:00pm - 6:00pm	Seats (Total: 15) HJP 1213B

MEES610 **Land Margin Interactions**

MEES610 Land Margin Interactions; (4 credits) Grade Method: REG/AUD. *Credit only granted for: MEES610 or MEES698I. Formerly: MEES698I.* Broad overview of the components and biogeochemistry of the coastal zone(atmosphere, land, streams, wetlands, estuaries) and the time and space scales on which interactions occur between components. Includes 4 h of classes per week with readings from the literature, field trips, a term paper, and a forum. Course is taught on the Interactive Video Network. Taught on the Interactive Video Network.

0101	Walter Boynton, Thomas Fisher, Mark Castro TuTh 10:00am - 12:00pm	Seats (Total: 15) HJP 1213B

MEES614 **Landscape Ecology**

MEES614 Landscape Ecology; (4 credits) Grade Method: REG. *Restriction: Permission of instructor.* Landscape ecology emphasizes spatial patterning--its causes, development, and importance for ecological processes. Students will become familiar with concepts, methods, and applications of landscape ecology through reading classic and contemporary literature representative of state-of-the-art research; class lectures; completion of two projects designed to provide "hands on" experience with some of the quantitative methods and tools; and completion of one independent project. Taught at the Appalachain Laboratory and on the Interactive Video Network.

0101	Robert Gardner, Matthew Fitzpatrick MW 10:00am - 12:00pm	Seats (Total: 15) HJP 1213B

MEES621 **Biological Oceanography**

MEES621 Biological Oceanography; (4 credits) Grade Method: REG/AUD. Population and community ecology of estuarine and marine systems; coastal and estuarine processes are emphasized in the context of oceans in general. Field and lab trips required. Course is taught at the Horn Point Laboratory and on the Interactive Video Network.

0101	Raleigh Hood TuTh 12:00pm - 2:00pm	Seats (Total: 25) HJP 1213B

MEES626 **Environmental Geochemistry I**

MEES626 Environmental Geochemistry I; (3 credits) Grade Method: REG/AUD.
Recommended: Completion of one semester of physical chemistry is recommended. Restriction: Permission of instructor. Credit only granted for: MEES626 or MEES698L. Formerly: MEES698L. Brief overview of biogeochemical cycles; fundamental aquatic chemistry that can be applied to a variety of environmental systems. Taught at the Cheseapeake Biological Laboratory and on the Interactive Video Network.

0101	Johan Schijf	Seats (Total: 20)
	MW 8:30am - 10:00am	HJP 1213B

MEES670 **Conservation Biology**

MEES670 Conservation Biology; (3 credits) Grade Method: REG/AUD.
Also offered as: CONS670. Credit only granted for: CONS670 or MEES670. Single species conservation theory and practice: population viability assessment, conservation genetics and demography, metapopulations, reintroduction and conservation education. Also offered as CONS670. Course is taught at College Park and on the Interactive Video Network.

0101	Keryn Gedan	Seats (Total: 25)
	W 1:00pm - 4:00pm	HJP 1213C

MEES682 **Fishery Science and Management**

MEES682 Fishery Science and Management; (3 credits) Grade Method: REG/AUD.
Restriction: Permission of instructor. Aquatic production and fisheries yields. Introduction to fish population dynamics and assessment methods. Effects of fishing on resource potential yields. Causes of fluctuations in resource abundance. An emphasis on the relationship between science and management. Taught at the Chesapeake Biological Laboratory and on the Interactive Video Network.

0101	David Secor	Seats (Total: 15)
	MW 1:30pm - 3:00pm	HJP 1213B

MEES698C **Special Topics in Marine-Estuarine-Environmental Sciences; Cell and Molecular Biology: A Mechanics View**

MEES698C Special Topics in Marine-Estuarine-Environmental Sciences: Cell and Molecular Biology: A Mechanics View; (4 credits) Grade Method: REG/AUD. Taught at the Institute of Marine & Environmental Technology and on the interactive video network.

0101	Rosemary Jagus, Allen Place	Seats (Total: 20)
	TuTh 8:00am - 10:00am	HJP 1213B

MEES698E **Special Topics in Marine-Estuarine-Environmental Sciences; Principles and Practices of Ecosystem Restoration**

MEES698E Special Topics in Marine-Estuarine-Environmental Sciences: Principles and Practices of Ecosystem Restoration; (3 credits) Grade Method: REG/AUD.
Also offered as GEOL453 and GEOL789L. Overview of critical ecosystem functions across biomes/geologic settings emphasizing tradeoffs in restoration designs. Case studies illuminate structure's influence over biophysical and biogeochemical processes supporting ecosystems; then show how properties of physical, chemical, and ecosystem processes can be altered by different restoration strategies, to optimize ecosystem services and habitat quality. Includesa semester research project.

0101	Sujay Kaushal	Seats (Total: 20)
	Tu 3:30pm - 6:30pm	BPS 1232

MEES699 **Special Problems in Marine-Estuarine-Environmental Sciences**

MEES699 *(PermReq)* **Special Problems in Marine-Estuarine-Environmental Sciences; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MEES708C **Advanced Topics in Marine-Estuarine-Environmental Science; Mixing and Transport in Coastal Waters**

MEES708C Advanced Topics in Marine-Estuarine-Environmental Science: Mixing and Transport in Coastal Waters; (3 credits) Grade Method: REG/AUD. Prerequisite: Two semesters of calculus. Course is taught at the Horn Point Laboratory and on the INteractive Video Network.

0101	Nicholas Nidzieko	Seats (Total: 15)
	TuTh 8:30am - 10:00am	HJP 1213C

MEES799 **Masters Thesis Research**

MEES799 Masters Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MEES898 **Pre-Candidacy Research**

MEES898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MEES899 **Doctoral Dissertation Research**

MEES899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MIEH Maryland Institute for Applied Environmental Health Fall 2012

MIEH309 **Environmental Health Research**

MIEH309 Environmental Health Research; (1-3 credits) Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MIEH600 **Foundations of Environmental Health**

MIEH600 Foundations of Environmental Health; (3 credits) Grade Method: REG/AUD.
Credit only granted for: HLTH761 or MIEH600. Formerly: HLTH761. Overview of the chemical, physical and biological hazards present in our living and working environment and their effects on human health. Topics include: exposure assessment, industrial hygiene and safety, pesticides, community and indoor pollution, food-borne diseases, solid and hazardous wastes, water resources, risk assessement, ecological issues and environmental laws.

0101	Robin Puett	Seats (Total: 30)
	M 4:00pm - 6:45pm	SPH 0302

MIEH609 **Methods in Toxicology**

MIEH609 *(PermReq)* **Methods in Toxicology; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MIEH688 **Seminar in the Maryland Institute for Applied Environmental Health: Current Topics in Environmental Health**

MIEH688 *(PermReq)* **Seminar in the Maryland Institute for Applied Environmental Health: Current Topics in Environmental Health; (1 credit)** Grade Method: S-F.

0101	Paul Turner	Seats (Total: 20)
	W 1:00pm - 1:50pm	SPH 2234CC

MIEH730 **Environmental Justice, Built Environment, and Health Disparities**

MIEH730 Environmental Justice, Built Environment, and Health Disparities; (3 credits) Grade Method: REG/AUD.
Prerequisite: Must have completed an Environmental Health course. This course will give students the opportunity to conduct an in-depth analysis of environmental justice and environmental racism in the United States and internationally. Students will synthesize their knowledge from environmental science courses with the concepts of civil rights and social justice to more fully understand the existing health disparities and how the built environment contributes to them.

0101	Sacoby Wilson W 4:00pm - 6:45pm	Seats (Total: 20) CSS 2416

MIEH735 **Food Toxicology**

MIEH735 Food Toxicology; (3 credits) Grade Method: REG/AUD.
Recommended: Undergraduate human physiology and/or biochemistry course. Restriction: Permission of SPHL-Maryland Institute for Applied Environmental Health. From farm to fork - this course will discuss major sources and consequences of toxic contaminants and additives in our food. Exposure scenarios will include: naturally occurring toxins (e.g. seafood toxins, phytotoxins, phycotoxins, mycotoxins); contaminants introduced during food production (eg pesticides, antibiotics), contaminants introduced during food preparation (e.g. food additives, bacterial toxins), thermally generated toxins, and storage container toxins (e.g. bisphenol); finally food adulteration toxins will be discussed (e.g. lead, melamine). Also offered as NFSC735.

0101	Robert Buchanan, Paul Turner Th 1:00pm - 3:45pm	Seats (Total: 20) ARC 1103

MIEH740 **Environmental Health Risk Assessment**

MIEH740 Environmental Health Risk Assessment; (3 credits) Grade Method: REG/AUD.
Prerequisite: MIEH600. Review of the major methods of human and ecological risk assessment conducted by the U.S. Environment Protection Agency. Emphasis on sources of uncertainty.

0101	Amir Sapkota M 4:00pm - 6:45pm	Seats (Total: 15) ANS 0402

MIEH773 **Biological Contaminants in the Environment**

MIEH773 *(PermReq)* **Biological Contaminants in the Environment; (3 credits)** Grade Method: REG/AUD.
Prerequisite: MIEH600. In-depth study of biological contaminants in the environment and their impacts on human health. Sources, dissemination and detection of biological contaminants, and their transmission to humans via food, water, air and other environmental media. Methods of disease prevention, including approaches to ensuring safe food and drinking water supplies.

0101	Amy Sapkota W 9:00am - 11:45am	Seats (Total: 10) JMP 1202

MIEH780 **Environmental and Occupational Hygiene**

MIEH780 Environmental and Occupational Hygiene; (3 credits) Grade Method: REG/AUD.
Prerequisite: EPIB610 and MIEH720. Corequisite: Concurrently enrolled in MIEH740. Recommended: EPIB650, MIEH771, and MIEH770. A synthesis of epdemiology, toxicology, exposure science, risk assessment, and policy. Emphasis will be on methods for prevention and control of injury and illness, the hierarchy of controls, current hot topics, and selected environmental and occupational injuries.

0101	Donald Milton, Sacoby Wilson Tu 4:00pm - 6:45pm	Seats (Total: 15) SPH 1302

MIEH785 **Internship in Public Health**

MIEH785 *(PermReq)* **Internship in Public Health; (3 credits)** Grade Method: REG/AUD.
Prerequisite: Permission of SPHL-Maryland Institute for Applied Environmental Health. Internship and seminar providing an opportunity to apply previously acquired knowledge and skills in a health or allied health organization. Setting of the internship will depend upon the student's background and career goals.

0201	Paul Turner Contact instructor or department for details.	Seats (Total: 5)
0202	Amir Sapkota Contact instructor or department for details.	Seats (Total: 5)
0203	Amy Sapkota Contact instructor or department for details.	Seats (Total: 5)
0204	Donald Milton Contact instructor or department for details.	Seats (Total: 5)
0205	Robin Puett Contact instructor or department for details.	Seats (Total: 5)

0206	Sacoby Wilson Contact instructor or department for details.	Seats (Total: 5)

MIEH786 **Captsone Project in Public Health**

MIEH786 *(PermReq)* **Captsone Project in Public Health; (3 credits)** Grade Method: REG/AUD.
Prerequisite: Permission of SPHL-Maryland Institute for Applied Environmental Health.
Capstone experience provding opportunity to apply knowledge and skills to a specific public health problem or issue. Completion of project relevant to public health under the direction of an advisor.

0201	Paul Turner Contact instructor or department for details.	Seats (Total: 5)
0202	Amir Sapkota Contact instructor or department for details.	Seats (Total: 5)
0203	Amy Sapkota Contact instructor or department for details.	Seats (Total: 5)
0204	Donald Milton Contact instructor or department for details.	Seats (Total: 5)
0205	Robin Puett Contact instructor or department for details.	Seats (Total: 5)
0206	Sacoby Wilson Contact instructor or department for details.	Seats (Total: 5)

MIEH788 **Critical Readings in Environmental Health**

MIEH788 Critical Readings in Environmental Health; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MIEH789 **Independent Study**

MIEH789 *(PermReq)* **Independent Study; (1-6 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MIEH799 **Master's Thesis Research**

MIEH799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MIEH898 **Pre-Candidacy Research**

MIEH898 *(PermReq)* **Pre-Candidacy Research; (1-8 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MIEH899 **Doctoral Dissertation Research**

MIEH899 *(PermReq)* **Doctoral Dissertation Research; (1-8 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MOCB Molecular and Cell Biology Fall 2012

MOCB608 **Molecular and Cell Biology Seminar**

MOCB608 *(PermReq)* **Molecular and Cell Biology Seminar; (1 credit)** Grade Method: REG.

0101	Jonathan Dinman	Seats (Total: 12)
	Contact instructor or department for details.	

MOCB699 **Laboratory Rotation**

MOCB699 *(PermReq)* **Laboratory Rotation; (2-3 credits)** Grade Method: S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MOCB708B **Advanced Topics in Molecular and Cell Biology; Bioethics**

MOCB708B Advanced Topics in Molecular and Cell Biology: Bioethics; (1 credit) Grade Method: REG/AUD.

0101	David O'Brochta	Seats (Total: 20)
	Meets August 29, 2012 - October 21, 2012	
	F 10:00am - 12:00pm	PLS 4102

MOCB898 **Pre-Candidacy Research**

MOCB898 Pre-Candidacy Research; (1-8 credits) Grade Method: S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MOCB899 **Doctoral Dissertation Research**

MOCB899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MUED Music Education Fall 2012

MUED155 **Fundamentals for the Classroom Teacher**

MUED155 Fundamentals for the Classroom Teacher; (3 credits) Grade Method: REG/P-F/AUD.
Restriction: Must be in one of the following programs (Early Childhood Education; Elementary Education) ; or Must be a Pre-Elementary Education major; or Must be a Pre-Early Childhood Education major. The fundamentals of music theory and practice, related to the needs of the classroom and the kindergarten teacher.

0101	Seth Glabman MW 4:15pm - 5:30pm	Seats (Total: 25) PAC 2160	
0201	Charles Fletcher TuTh 2:00pm - 3:15pm	Seats (Total: 25) PAC 3160	
0301	Charles Fletcher TuTh 12:30pm - 1:45pm	Seats (Total: 25) PAC 3160	

MUED186 **Pre-professional Experiences I**

MUED186 *(PermReq)* **Pre-professional Experiences I; (2 credits)** Grade Method: REG/P-F/AUD.
Restriction: Must be in Music Education program; and Must not have completed MUED197. Credit only granted for: MUED197 or MUED186. Formerly: MUED197. An orientation into the role of the music teacher in the school and community. On-site school visits at elementary, middle and high school levels form the basis for discussion and exploration of all facets of the music education profession. Fulfills the College of Arts and Humanities requirement for UNIV101.

0101	Janet Montgomery M 1:00pm - 2:50pm W 2:00pm - 2:50pm	Seats (Total: 30) PAC 2130A PAC 2130A	 Lab

MUED213 **String Technique and Pedagogy I**

MUED213 String Technique and Pedagogy I; (2 credits) Grade Method: REG/P-F/AUD.
Restriction: Must be in Music Education program; and Must not have completed MUED113. Credit only granted for: MUED113 or MUED213. Formerly: MUED113. A study of violin, viola, cello and bass technique and pedagogy; beginning level. Emphasizes group process playing and teaching.

0101	Kerri Shelfo TuTh 2:00pm - 3:15pm	Seats (Total: 25) PAC 2540

MUED215 **Woodwind Technique and Pedagogy**

MUED215 Woodwind Technique and Pedagogy; (2 credits) Grade Method: REG/P-F/AUD.
Restriction: Permission of ARHU-School of Music department. Credit only granted for: MUED116, MUED117, or MUED215. Formerly: MUED116 and MUED117. Playing experience on instruments of the woodwind family. Historical and acoustical background. Principles of improvisation. Basic concepts of teaching. Methods and materials. Techniques of individual and class instruction.

0101	Jennifer Doyle MWF 10:00am - 10:50am	Seats (Total: 15) PAC 2540

MUED320 **Foundations of Secondary Instrumental Instruction**

MUED320 Foundations of Secondary Instrumental Instruction; (2 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MUED311. Restriction: Must be in Music Education program. Prepare instrumental-emphasis music education majors to synthesize the knowledge and skills that will enable them to extend secondary-level musical skill through planned instruction and development of teaching materials.

0101	Jennifer Doyle TuTh 8:00am - 9:50am	Seats (Total: 12) PAC 1230

MUED333 **Classroom Vocal Pedagogy**

MUED333 Classroom Vocal Pedagogy; (2 credits) Grade Method: REG.
Prerequisite: MUED187 and MUED186. Restriction: Must be in Music Education program. An introduction to the fundamentals of group vocal pedagogy for the choral and general classroom teacher, including the teaching of posture, breathing, resonance, registration, articulation and foreign language diction as appropriate to needs of the child or adolescent singer in K-12 classroom settings.

0101	Kenneth Elpus W 4:00pm - 6:00pm	Seats (Total: 10) PAC 2130A

MUED420 **Advanced Methods in Secondary Instrumental Music Instruction**

MUED420 *(PermReq)* **Advanced Methods in Secondary Instrumental Music Instruction; (2 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: MUED320 and MUED311. Corequisite: Concurrently enrolled in MUED489. Restriction: Must be in Music Education program. Prepare instrumental-emphasis music education majors to synthesize the knowledge and skills that will enable them to develop and/or maintain an exemplary, curricular-oriented, research-based, comprehensive secondary instrumental program.

0101	Jennifer Doyle	Seats (Total: 20)
	Tu 9:00am - 11:00am	PAC 2540

MUED471 **Elementary General Music Methods**

MUED471 *(PermReq)* **Elementary General Music Methods; (2 credits)** Grade Method: REG/AUD.
Prerequisite: MUED222 and MUED333. Corequisite: Concurrently enrolled in MUED489. Restriction: Must be in Music Education program. A study of music curriculum, materials and teaching techniques for the development of sequential experiences which contribute to children's musical growth in the elementary schools.

0101	Janet Montgomery	Seats (Total: 15)
	Tu 9:00am - 12:00pm	PAC 2130A

MUED474 **Field Experiences: Pre-Student Teaching**

MUED474 Field Experiences: Pre-Student Teaching; (1 credit) Grade Method: REG.
Prerequisite: MUED420 and MUED411; or (MUED472 and MUED471). Restriction: Permission of ARHU-School of Music department; and Senior standing. Field experiences to fulfill teaching requirements in K-12 music teacher education program.

0101	Kenneth Elpus	Seats (Total: 15)
	Tu 7:00pm - 8:00pm	Location: TBA

MUED484 **Student Teaching in Elementary School: Music**

MUED484 Student Teaching in Elementary School: Music; (4-6 credits) Grade Method: S-F.
Corequisite: Concurrently enrolled in MUED494. Restriction: Permission of ARHU-School of Music department; and must be in Music Education program. Fulfills elementary teaching requirements in K-12 music teacher education program. Limited to music education majors who have previously applied.

0101	Janet Montgomery Tu 4:30pm - 6:30pm	Seats (Total: 15) Location: TBA	 Lab

MUED489G **Field Experiences; Field Experiences-General**

MUED489G *(PermReq)* **Field Experiences: Field Experiences-General; (1 credit)** Grade Method: REG/P-F/AUD.

0101	Janet Montgomery Th 9:00am - 12:00pm	Seats (Total: 10) PAC 2130A	

MUED489I **Field Experiences; Field Experiences-Instrumental**

MUED489I *(PermReq)* **Field Experiences: Field Experiences-Instrumental; (1 credit)** Grade Method: REG/P-F/AUD.

0101	Michael Hewitt, Raymond Chaney Th 8:00am - 12:00pm	Seats (Total: 20) PAC 2540	 Lab
0201	Holly Pasquale Th 8:00am - 12:00pm	Seats (Total: 20) PAC 2540	 Lab

MUED494 **Student Teaching in Secondary School: Music**

MUED494 Student Teaching in Secondary School: Music; (4-6 credits) Grade Method: S-F.
Corequisite: Concurrently enrolled in MUED484. Restriction: Permission of ARHU-School of Music department; and must be in Music Education program. Fulfill secondary teaching requirements in K-12 music teacher education program. Limited to music education majors who have previously applied.

0101	Janet Montgomery TBA	Seats (Total: 15) PAC 2160	 Lab

MUED690 **Research Methods in Music and Music Education**

MUED690 Research Methods in Music and Music Education; (3 credits) Grade Method: REG/AUD.
The application of methods of research to problems in the fields of music and music education. The preparation of bibliographies and the written exposition of research projects in the area of the student's major interest.

0101	Kenneth Elpus	Seats (Total: 15)
	M 5:30pm - 8:00pm	PAC 2130A

MUED780 **Seminar in Music Teacher Education**

MUED780 Seminar in Music Teacher Education; (3 credits) Grade Method: REG. *Restriction: Must have doctoral standing in a Music Education program.* Development of knowledge and skills necessary for music teacher educators. Topics include history of and reform movements in music teacher education, recruitment, education and certification of music teachers and inservice programs.

0101	Michael Hewitt	Seats (Total: 15)
	TBA	PAC 2130A

MUET Ethnomusicology Fall 2012

MUET200 **World Popular Musics and Identity**

MUET200 World Popular Musics and Identity; (3 credits) Grade Method: REG/P-F/AUD. CORE History or Theory of Arts (HA) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - Humanities; Diversity - Understanding Plural Societies. Perspectives of world popular music as contested terrain, in terms of gender, nationality and aesthetics. Students will read case histories of specific movements, social commentaries on genres such as reggae, celtic-pop and rap, and investigate issues such as accessibility and technological constraints. The unifying factors are cross-cultural perceptions and displays of national identity, cultural retentions, stability and change. Formerly: MUSC 248C.

0101	Laura Schnitker	Seats (Total: 25)	
	W 1:00pm - 2:50pm	SKN 0200	
	M 12:00pm - 12:50pm	PAC 2160	Discussion

0102	Laura Schnitker W 1:00pm - 2:50pm M 1:00pm - 1:50pm	Seats (Total: 25) SKN 0200 PAC 2160	Discussion
0103	Laura Schnitker W 1:00pm - 2:50pm M 2:00pm - 2:50pm	Seats (Total: 25) SKN 0200 PAC 2160	Discussion
0104	Laura Schnitker W 1:00pm - 2:50pm M 1:00pm - 1:50pm	Seats (Total: 25) SKN 0200 PAC 3168	Discussion
0105	Laura Schnitker W 1:00pm - 2:50pm M 2:00pm - 2:50pm	Seats (Total: 25) SKN 0200 PAC 3168	Discussion
0106	Laura Schnitker W 1:00pm - 2:50pm M 3:00pm - 3:50pm	Seats (Total: 25) SKN 0200 PAC 3168	Discussion
0107	Laura Schnitker W 1:00pm - 2:50pm M 11:00am - 11:50am	Seats (Total: 25) SKN 0200 PAC 3164	Discussion
0108	Laura Schnitker W 1:00pm - 2:50pm M 12:00pm - 12:50pm	Seats (Total: 25) SKN 0200 PAC 3164	Discussion
0109	Laura Schnitker W 1:00pm - 2:50pm M 1:00pm - 1:50pm	Seats (Total: 25) SKN 0200 PAC 3164	Discussion

MUET210 **The Impact of Music on Life**

MUET210 The Impact of Music on Life; (3 credits) Grade Method: REG. CORE History or Theory of Arts (HA) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - Humanities; Diversity - Understanding Plural Societies. Music as a part of culture. Materials drawn from traditions throughout the globe to illustrate issues of historical and contemporary significance, including the impact of race, class and gender on the study of music.

0101	Fernando Rios MW 1:00pm - 1:50pm F 10:00am - 10:50am	Seats (Total: 25) ARC 0204 PAC 1815	Discussion
0102	Fernando Rios MW 1:00pm - 1:50pm F 11:00am - 11:50am	Seats (Total: 25) ARC 0204 PAC 1815	Discussion
0103	Fernando Rios MW 1:00pm - 1:50pm F 12:00pm - 12:50pm	Seats (Total: 25) ARC 0204 PAC 1815	Discussion
0104	Fernando Rios MW 1:00pm - 1:50pm F 1:00pm - 1:50pm	Seats (Total: 25) ARC 0204 PAC 1815	Discussion
0105	Fernando Rios MW 1:00pm - 1:50pm F 2:00pm - 2:50pm	Seats (Total: 25) ARC 0204 PAC 1815	Discussion
0106	Fernando Rios MW 1:00pm - 1:50pm F 3:00pm - 3:50pm	Seats (Total: 25) ARC 0204 PAC 1815	Discussion
0107	Fernando Rios MW 1:00pm - 1:50pm F 12:00pm - 12:50pm	Seats (Total: 25) ARC 0204 EDU 1107	Discussion
0108	Fernando Rios MW 1:00pm - 1:50pm F 1:00pm - 1:50pm	Seats (Total: 25) ARC 0204 EDU 1107	Discussion
0109	Fernando Rios MW 1:00pm - 1:50pm F 2:00pm - 2:50pm	Seats (Total: 25) ARC 0204 EDU 1107	Discussion
0110	Fernando Rios MW 1:00pm - 1:50pm F 12:00pm - 12:50pm	Seats (Total: 25) ARC 0204 EDU 2119	Discussion

0111	Fernando Rios MW 1:00pm - 1:50pm F 1:00pm - 1:50pm	Seats (Total: 25) ARC 0204 EDU 2119	Discussion
0112	Fernando Rios MW 1:00pm - 1:50pm F 2:00pm - 2:50pm	Seats (Total: 25) ARC 0204 EDU 2119	Discussion

MUET220 **Selected Musical Cultures of the World**

MUET220 Selected Musical Cultures of the World; (3 credits) Grade Method: REG. CORE History or Theory of Arts (HA) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - Humanities; Diversity - Understanding Plural Societies. A survey of selected musical cultures of the world, such as India, Japan, China, Indonesia, West Africa, Eastern Europe and the Near East. Formerly: MUSC 248A.

0101	Joanna Pecore MW 1:00pm - 1:50pm F 12:00pm - 12:50pm	Seats (Total: 25) VMH 1212 PAC 2160	Discussion
0102	Joanna Pecore MW 1:00pm - 1:50pm F 1:00pm - 1:50pm	Seats (Total: 25) VMH 1212 PAC 2160	Discussion
0103	Joanna Pecore MW 1:00pm - 1:50pm F 2:00pm - 2:50pm	Seats (Total: 25) VMH 1212 PAC 2160	Discussion
0104	Joanna Pecore MW 1:00pm - 1:50pm F 12:00pm - 12:50pm	Seats (Total: 25) VMH 1212 PAC 2164	Discussion
0105	Joanna Pecore MW 1:00pm - 1:50pm F 1:00pm - 1:50pm	Seats (Total: 25) VMH 1212 PAC 2164	Discussion
0106	Joanna Pecore MW 1:00pm - 1:50pm F 2:00pm - 2:50pm	Seats (Total: 25) VMH 1212 PAC 2164	Discussion

FC01	Stephen Thursby MW 4:30pm - 5:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 20) JMZ 2123

MUET438X **Area Studies in Ethnomusicology; Music of China and Japan**

MUET438X Area Studies in Ethnomusicology: Music of China and Japan; (3 credits) Grade Method: REG.

0101	John Witzleben M 3:30pm - 6:00pm	Seats (Total: 12) PAC 3110A

MUET660 **Field Methods in Ethnomusicology I**

MUET660 Field Methods in Ethnomusicology I; (3 credits) Grade Method: REG. Introduction to a wide variety of methods and strategies for surveying, interviewing, and observing the dynamics of performance in contrasting settings. This is the first of three semesters of field methods.

0101	Fernando Rios W 3:30pm - 6:00pm	Seats (Total: 12) PAC 3110A

MUET679E **Seminar in Ethnomusicology; Reading the Music Ethnography**

MUET679E Seminar in Ethnomusicology: Reading the Music Ethnography; (3 credits) Grade Method: REG.

0101	John Witzleben Th 3:30pm - 6:00pm	Seats (Total: 12) PAC 3110A

MUSC School of Music Fall 2012

MUSC099 **Performance Attendance**

MUSC099 *(PermReq)* **Performance Attendance; (No credit)** Grade Method: S-F.

0101	David George Contact instructor or department for details.	Seats (Total: 150)

MUSC100 **Beginning Class Voice**

MUSC100 Beginning Class Voice; (2 credits) Grade Method: REG.
A laboratory course involving a variety of voices and vocal problems. Principles of correct breathing as applied to singing; fundamentals of tone production and diction. Repertoire of folk songs and songs of the Classical and Romantic periods. Development of students' voices.

0101	Madeline Miskie MW 10:00am - 10:50am	Seats (Total: 15) PAC 2170
0102	Madeline Miskie MW 1:00pm - 1:50pm	Seats (Total: 15) PAC 2170

MUSC102 **Class Piano**

MUSC102 *(PermReq)* **Class Piano; (2 credits)** Grade Method: REG/P-F.
Functional piano training for beginners. Development of techniques for school and community playing. Basic piano techniques; chord, arpeggio and scale techniques; melody and song playing; simple accompaniments, improvisation for accompaniments and rhythms; sight reading and transposition and playing by ear. For MUSC majors only.

0101	Michael Angelucci TuTh 2:00pm - 3:15pm	Seats (Total: 14) PAC 1123
0201	Daniel Pereira MWF 11:00am - 11:50am	Seats (Total: 14) PAC 1123
0301	Christiana Iheadindu MWF 1:00pm - 1:50pm	Seats (Total: 14) PAC 1123

MUSC106 **Beginning Classical Guitar**

MUSC106 Beginning Classical Guitar; (2 credits) Grade Method: REG/P-F/AUD.
Introduction to classical guitar notation, technique, literature and performance. No previous musical experience required. For students with no previous musical experience.

0101	Giorgia Cavallaro MW 11:00am - 11:50am	Seats (Total: 12) PAC 1230

MUSC123 **Movement for Singers**

MUSC123 *(PermReq)* **Movement for Singers; (1 credit)** Grade Method: REG/P-F/AUD.
Prerequisite: Permission of ARHU-School of Music department. Systematic exercises, improvisations and dances in conjunction with artistic vocal expression. Performance and critique of stage deportment, gestures and recital techniques.

0101	Carmen Balthrop	Seats (Total: 15)	
	Tu 6:15pm - 7:45pm	TWS 1121	

MUSC127 **Vocal Diction: Italian**

MUSC127 Vocal Diction: Italian; (1 credit) Grade Method: REG/P-F/AUD.
Prerequisite: Permission of ARHU-School of Music department. Restriction: Must be in a major within ARHU-School of Music department. Augmentation of private voice study. Phonetics and diction for singers of Italian and Spanish vocal literature.

0101	Diba Alvi	Seats (Total: 15)	
	TuTh 11:00am - 11:50am	PAC 3168	

MUSC128 **Sight Reading For Pianists**

MUSC128 *(PermReq)* **Sight Reading For Pianists; (2 credits)** Grade Method: REG.
For Bachelor of Music piano majors only.

0101	Daniel Pereira	Seats (Total: 5)	
	MW 12:00pm - 12:50pm	PAC 3160	

MUSC129A **Ensemble; Chamber Music - Strings**

MUSC129A *(PermReq)* **Ensemble: Chamber Music - Strings; (1 credit)** Grade Method: REG.
For MUSC majors only.

0101	David Salness	Seats (Total: 45)	
	TuTh 11:00am - 12:15pm	Location: TBA	Lab

MUSC129B **Ensemble; Chamber Woodwinds**

MUSC129B *(PermReq)* **Ensemble: Chamber Woodwinds; (1 credit)** Grade Method: REG.
For MUSC majors only.

0101	Mark Hill	Seats (Total: 40)	
	TuTh 11:00am - 12:15pm	PAC 2201	Lab

MUSC129C **Ensemble; Chamber Music - Brasses**

MUSC129C *(PermReq)* **Ensemble: Chamber Music - Brasses; (1 credit)** Grade Method: REG.
For MUSC majors only.

0101	Gregory Miller	Seats (Total: 30)	
	TuTh 11:00am - 12:15pm	Location: TBA	Lab

MUSC129G **Ensemble; Balinese Gamelan**

MUSC129G Ensemble: Balinese Gamelan; (1 credit) Grade Method: REG.

0101	I Suadin	Seats (Total: 20)	
	Th 7:00pm - 8:30pm	PAC 1230	Lab

MUSC129H **Ensemble; Harp**

MUSC129H *(PermReq)* **Ensemble: Harp; (1 credit)** Grade Method: REG.

0101	Instructor: TBA	Seats (Total: 6)
	TuTh 11:00am - 12:15pm	PAC 1130A

MUSC129I **Ensemble; New Music**

MUSC129I *(PermReq)* **Ensemble: New Music; (1 credit)** Grade Method: REG.
By Permission of Instructor.

0101	Instructor: TBA	Seats (Total: 5)
	Contact instructor or department for details.	

MUSC129K **Ensemble; Japanese Koto**

MUSC129K Ensemble: Japanese Koto; (1 credit) Grade Method: REG.

0101	Kyoko Okamoto	Seats (Total: 10)	
	Tu 5:30pm - 7:00pm	PAC 3160	Lab

MUSC129L **Ensemble; Advanced Japanese Koto**

MUSC129L *(PermReq)* **Ensemble: Advanced Japanese Koto; (1 credit)** Grade Method: REG.

0101	Kyoko Okamoto	Seats (Total: 4)	
	Tu 7:00pm - 8:30pm	PAC 3160	Lab

MUSC129M **Ensemble; Chamber Music - Flute Choir**

MUSC129M *(PermReq)* **Ensemble: Chamber Music - Flute Choir; (1 credit)** Grade Method: REG.

0101	William Montgomery	Seats (Total: 6)
	Contact instructor or department for details.	

MUSC129N **Ensemble; University of Maryland Brass**

MUSC129N *(PermReq)* **Ensemble: University of Maryland Brass; (1 credit)** Grade Method: REG.

0101	Gregory Miller	Seats (Total: 24)	
	W 7:30pm - 10:00pm	PAC 1230	Lab

MUSC129P **Ensemble; Percussion**

MUSC129P *(PermReq)* **Ensemble: Percussion; (1 credit)** Grade Method: REG.

0101	Lee Hinkle	Seats (Total: 15)	
	W 5:15pm - 7:00pm	PAC 2540	Lab
	F 4:00pm - 6:00pm	PAC 1230	Lab

MUSC129Q **Ensemble; Korean Percussion Ensemble**

MUSC129Q Ensemble: Korean Percussion Ensemble; (1 credit) Grade Method: REG/P-F/AUD.

0101	Sebastian Wang	Seats (Total: 17)	
	Th 7:00pm - 8:30pm	PAC 2170	

MUSC129R **Ensemble; Clarinet Choir**

MUSC129R *(PermReq)* **Ensemble: Clarinet Choir; (1 credit)** Grade Method: REG.

0101	Instructor: TBA	Seats (Total: 15)	
	W 6:30pm - 8:30pm	PAC 2126	Lab

MUSC129S **Ensemble; Saxophone**

MUSC129S *(PermReq)* **Ensemble: Saxophone; (1 credit)** Grade Method: REG.

0101	Timothy Powell	Seats (Total: 10)	
	Tu 7:30pm - 9:30pm	PAC 2126	Lab

MUSC129T **Ensemble; Trombone**

MUSC129T *(PermReq)* **Ensemble: Trombone; (1 credit)** Grade Method: REG.

0101	Matthew Guilford	Seats (Total: 10)
	Contact instructor or department for details.	

MUSC129U **Ensemble; Tuba and Euphonium**

MUSC129U *(PermReq)* **Ensemble: Tuba and Euphonium; (1 credit)** Grade Method: REG.

0101	Paul Kellner	Seats (Total: 10)
	Contact instructor or department for details.	

MUSC130 **Survey of Music Literature**

MUSC130 Survey of Music Literature; (3 credits) Grade Method: REG/AUD. CORE History or Theory of Arts (HA) Course. GenEd: Distributive Studies - Humanities. *Restriction: Must not be in any of the following programs (Music (Professional Program); Music Education).* A study of the principles upon which music is based, and an introduction to the musical repertory performed in America today.

0101	Patrick Warfield MW 4:00pm - 4:50pm F 9:00am - 9:50am	Seats (Total: 13) LEF 2205 PAC 2164	Discussion
0102	Patrick Warfield MW 4:00pm - 4:50pm F 10:00am - 10:50am	Seats (Total: 25) LEF 2205 PAC 2164	Discussion
0103	Patrick Warfield MW 4:00pm - 4:50pm F 11:00am - 11:50am	Seats (Total: 25) LEF 2205 PAC 2164	Discussion
0104	Patrick Warfield MW 4:00pm - 4:50pm F 9:00am - 9:50am	Seats (Total: 25) LEF 2205 PAC 3168	Discussion
0105	Patrick Warfield MW 4:00pm - 4:50pm F 10:00am - 10:50am	Seats (Total: 25) LEF 2205 PAC 3168	Discussion
0106	Patrick Warfield MW 4:00pm - 4:50pm F 11:00am - 11:50am	Seats (Total: 25) LEF 2205 PAC 3168	Discussion
0107	Patrick Warfield MW 4:00pm - 4:50pm F 10:00am - 10:50am	Seats (Total: 25) LEF 2205 PAC 2200	Discussion
0108	Patrick Warfield MW 4:00pm - 4:50pm F 11:00am - 11:50am	Seats (Total: 25) LEF 2205 PAC 2200	Discussion

MUSC130H **Survey of Music Literature**

MUSC130H Survey of Music Literature; (3 credits) Grade Method: REG/P-F/AUD. CORE History or Theory of Arts (HA) Course. GenEd: Distributive Studies - Humanities.
Restriction: Must not be in any of the following programs (Music (Professional Program); Music Education). A study of the principles upon which music is based, and an introduction to the musical repertory performed in America today. For general honors students only.

0109	Patrick Warfield	Seats (Total: 20)	
	MW 4:00pm - 4:50pm	LEF 2205	
	F 12:00pm - 12:50pm	PAC 2200	Discussion

MUSC130S **Survey of Music Literature**

MUSC130S Survey of Music Literature; (3 credits) Grade Method: REG/P-F/AUD. CORE History or Theory of Arts (HA) Course. GenEd: Distributive Studies - Humanities.
Restriction: Must not be in any of the following programs (Music (Professional Program); Music Education). A study of the principles upon which music is based, and an introduction to the musical repertory performed in America today. Restricted to College Park Scholars - Arts.

0101	Patrick Warfield	Seats (Total: 12)	
	MW 4:00pm - 4:50pm	LEF 2205	
	F 9:00am - 9:50am	PAC 2164	Discussion

MUSC140 **Music Fundamentals I**

MUSC140 Music Fundamentals I; (3 credits) Grade Method: REG/AUD. CORE History or Theory of Arts (HA) Course. GenEd: Distributive Studies - Scholarship in Practice.
Restriction: Must not be in any of the following programs (Music (Professional Program); Music Education). Introductory theory course. Notation, scales, intervals, triads, rhythm, form and basic aural skills.

0101	Jonathan Graybill	Seats (Total: 12)	
	MW 11:00am - 11:50am	PAC 2168	
	F 10:00am - 10:50am	PAC 1108	Discussion

0102	Jonathan Graybill MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 12) PAC 2168 PAC 1108	 Discussion
0201	Jonathan Graybill MW 12:00pm - 12:50pm F 12:00pm - 12:50pm	Seats (Total: 12) PAC 2168 PAC 1108	 Discussion
0202	Jonathan Graybill MW 12:00pm - 12:50pm F 1:00pm - 1:50pm	Seats (Total: 11) PAC 2168 PAC 1108	 Discussion
FC01	Joel Pierson TuTh 5:00pm - 6:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 20) PAC 2164	

MUSC150 **Theory of Music I**

MUSC150 *(PermReq)* **Theory of Music I; (3 credits)** Grade Method: REG/AUD. *Prerequisite: Departmental audition and entrance examination. Restriction: Must be in one of the following programs (Music (Liberal Arts Program); Music (Jazz Performance Option); Music (Winds & Percussions Performance Option); Music (Voice Performance Option); Music Composition; Music (Professional Program); Music (Piano Performance Option); Music Performance-Winds and Percussion; Music Theory and Composition; Music Performance-Piano; Music Performance-Jazz Studies; Music Performance-Voice; Music Performance-Strings; Music (Strings Performance Option)).* A study of basic concepts and skills in tonal melody and harmony through analysis and composition.

0101	Richard Layton MWF 8:00am - 8:50am TuTh 8:00am - 8:50am	Seats (Total: 8) PAC 2168 PAC 3164	 Lab
0102	Richard Layton MWF 8:00am - 8:50am TuTh 9:00am - 9:50am	Seats (Total: 8) PAC 2168 PAC 3164	 Lab
0201	Richard Layton MWF 9:00am - 9:50am TuTh 9:00am - 9:50am	Seats (Total: 8) PAC 2168 PAC 2168	 Lab

0202	Richard Layton MWF 9:00am - 9:50am TuTh 9:00am - 9:50am	Seats (Total: 8) PAC 2168 PAC 2160	 Lab
0301	Richard Layton MWF 10:00am - 10:50am TuTh 10:00am - 10:50am	Seats (Total: 8) PAC 2168 PAC 2168	 Lab
0302	Richard Layton MWF 10:00am - 10:50am TuTh 10:00am - 10:50am	Seats (Total: 8) PAC 2168 PAC 2160	 Lab

MUSC202 **Intermediate Class Piano I**

MUSC202 *(PermReq)* **Intermediate Class Piano I; (2 credits)** Grade Method: REG. *Prerequisite: MUSC103; or Must have equivalent piano training.* Advanced keyboard techniques. Continuation of skills introduced in MUSC103. Transposition, modulation and sight reading; methods of teaching functional piano. Only for voice and instrumental principals with limited piano experience.

0101	Christiana Iheadindu MWF 9:00am - 9:50am	Seats (Total: 15) PAC 1123

MUSC205 **History of Popular Music, 1950-Present**

MUSC205 History of Popular Music, 1950-Present; (3 credits) Grade Method: REG/P-F/AUD. CORE History or Theory of Arts (HA) Course. GenEd: Distributive Studies - Humanities.
A historical survey of rock music (blues, rock, soul, metal, rap, etc.) from circa 1950 to the present, with emphasis on popular music as music and popular music as social history.

0101	Richard King MW 11:00am - 11:50am F 9:00am - 9:50am	Seats (Total: 25) ARC 0204 PAC 2160	 Discussion
0102	Richard King MW 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 25) ARC 0204 PAC 2160	 Discussion

0103	Richard King MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 25) ARC 0204 PAC 2160	Discussion
0104	Richard King MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 25) ARC 0204 PAC 3160	Discussion
0105	Richard King MW 11:00am - 11:50am F 12:00pm - 12:50pm	Seats (Total: 25) ARC 0204 PAC 3160	Discussion
0106	Richard King MW 11:00am - 11:50am F 1:00pm - 1:50pm	Seats (Total: 25) ARC 0204 PAC 3160	Discussion
0107	Richard King MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 25) ARC 0204 PAC 3164	Discussion
0108	Richard King MW 11:00am - 11:50am F 12:00pm - 12:50pm	Seats (Total: 25) ARC 0204 PAC 3164	Discussion
0109	Richard King MW 11:00am - 11:50am F 1:00pm - 1:50pm	Seats (Total: 25) ARC 0204 PAC 3164	Discussion

MUSC227 **Vocal Diction: German**

MUSC227 Vocal Diction: German; (1 credit) Grade Method: REG/P-F/AUD. *Prerequisite: Permission of ARHU-School of Music department. Restriction: Must be in a major within ARHU-School of Music department.* Augmentation of private study. Phonetics and diction for singers of German vocal literature.

0101	Brooke Evers TuTh 11:00am - 11:50am	Seats (Total: 15) PAC 3164	

MUSC228 **Introduction to Accompanying for Pianists**

MUSC228 Introduction to Accompanying for Pianists; (2 credits) Grade Method: REG/P-F/AUD.

0101	Robert McReynolds	Seats (Total: 10)	
	Contact instructor or department for details.		

MUSC229A **Ensemble; Orchestra**

MUSC229A *(PermReq)* **Ensemble: Orchestra; (1 credit)** Grade Method: REG. Audition required before permission of department will be granted, contact instructor to make arrangements.

0101	James Ross	Seats (Total: 70)	
	TuTh 3:30pm - 6:30pm	PAC 1230	Lab

MUSC229D **Ensemble; Wind Orchestra**

MUSC229D Ensemble: Wind Orchestra; (1 credit) Grade Method: REG. Open by audition, contact instructor to make arrangements.

0101	Michael Votta	Seats (Total: 50)	
	TuTh 3:30pm - 6:30pm	PAC 2540	Lab

MUSC229E **Ensemble; Wind Ensemble**

MUSC229E Ensemble: Wind Ensemble; (1 credit) Grade Method: REG. Open by audition, contact instructor to make arrangements.

0101	Lowell Sparks	Seats (Total: 75)	
	MWF 11:00am - 12:30pm	PAC 2540	Lab

MUSC229F **Ensemble; Marching Band**

MUSC229F Ensemble: Marching Band; (1 credit) Grade Method: REG. Open by audition.

0101	Lowell Sparks	Seats (Total: 300)	
	MWF 3:00pm - 5:00pm	PAC 2540	Lab

MUSC229G **Ensemble; Marching Band Repertoire**

MUSC229G Ensemble: Marching Band Repertoire; (1 credit) Grade Method: REG. Corequisite: MUSC 229F.

0101	Lowell Sparks	Seats (Total: 300)	
	Tu 7:00pm - 9:00pm	PAC 2540	Lab

MUSC229I **Ensemble; Marching Band Auxiliary**

MUSC229I Ensemble: Marching Band Auxiliary; (1 credit) Grade Method: REG. Corequisite: MUSC 229F.

0101	Lowell Sparks	Seats (Total: 50)	
	TuTh 6:30pm - 8:30pm	PAC 2540	Lab

MUSC229J **Ensemble; Jazz Ensemble**

MUSC229J *(PermReq)* **Ensemble: Jazz Ensemble; (1 credit)** Grade Method: REG. Audition required before permission of department will be granted, contact instructor to make arrangements.

0101	Christopher Vadala	Seats (Total: 25)	
	MW 5:30pm - 7:15pm	PAC 1230	Lab
0201	Christopher Vadala	Seats (Total: 30)	
	MW 1:00pm - 2:20pm	PAC 1230	Lab
0301	Christopher Vadala	Seats (Total: 30)	
	M 7:30pm - 9:30pm	PAC 1230	Lab

MUSC229P **Ensemble; Pep Band**

MUSC229P *(PermReq)* **Ensemble: Pep Band; (1 credit)** Grade Method: REG. Permission of Instructor.

0101	Lowell Sparks	Seats (Total: 60)
	Contact instructor or department for details.	

MUSC229R **Ensemble; Repertoire Orchestra**

MUSC229R *(PermReq)* **Ensemble: Repertoire Orchestra; (1 credit)** Grade Method: REG.
Audition required before permission of department will be granted, contact instructor to make arrangements.

0101	James Ross, Jason Ethridge MW 3:00pm - 5:00pm	Seats (Total: 50) PAC 1230	 Lab

MUSC229U **Ensemble; University Band**

MUSC229U Ensemble: University Band; (1 credit) Grade Method: REG.
Open by audition, contact instructor to make arrangements.

0101	Elijah Osterloh W 7:30pm - 9:30pm	Seats (Total: 100) PAC 2540	 Lab

MUSC229Z **Ensemble; Jazz Combo**

MUSC229Z *(PermReq)* **Ensemble: Jazz Combo; (1 credit)** Grade Method: REG.
Audition required before permission of department will be granted, contact instructor to make arrangements.

0101	Gerard Kunkel Contact instructor or department for details.	Seats (Total: 10)
0201	Thomas Baldwin Contact instructor or department for details.	Seats (Total: 10)
0301	Andrew Hare Contact instructor or department for details.	Seats (Total: 10)
0401	Michael Menzietti Contact instructor or department for details.	Seats (Total: 10)

MUSC250 **Advanced Theory of Music I**

MUSC250 *(PermReq)* **Advanced Theory of Music I; (4 credits)** Grade Method: REG/AUD.
Prerequisite: Minimum grade of C- in MUSC151. A continuation of MUSC 151, with further study of chromatic and modulatory techniques of the nineteenth century. Emphasis on sight singing, ear training, analysis and compositional skills.

0101	Dora Hanninen	Seats (Total: 8)	
	TuThF 9:00am - 9:50am	PAC 3160	
	MW 9:00am - 9:50am	PAC 3160	Lab
0102	Dora Hanninen	Seats (Total: 8)	
	TuThF 9:00am - 9:50am	PAC 3160	
	MW 9:00am - 9:50am	PAC 3164	Lab
0201	Dora Hanninen	Seats (Total: 8)	
	TuThF 10:00am - 10:50am	PAC 3160	
	MW 10:00am - 10:50am	PAC 3164	Lab
0202	Dora Hanninen	Seats (Total: 8)	
	TuThF 10:00am - 10:50am	PAC 3160	
	MW 10:00am - 10:50am	PAC 2160	Lab
0301	Mark Wilson	Seats (Total: 8)	
	TuThF 10:00am - 10:50am	PAC 3164	
	MW 9:00am - 9:50am	PAC 2164	Lab
0302	Mark Wilson	Seats (Total: 8)	
	TuThF 10:00am - 10:50am	PAC 3164	
	MW 10:00am - 10:50am	PAC 2164	Lab

MUSC269R **Special Topics in Study Abroad II; From Elvis to Rap: 50 Years of History As Seen Through Rock Music**

Contact department for information to register for this course.

MUSC310 **Music History I**

MUSC310 *(PermReq)* **Music History I; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: MUSC151; and permission of ARHU-School of Music department. Credit only granted for: MUSC310 or MUSC331. Formerly: MUSC331.* A historical study of Western music from Antiquity to 1600.

0101	Patrick Warfield	Seats (Total: 25)	
	MW 2:00pm - 2:50pm	PAC 2200	
	F 1:00pm - 1:50pm	PAC 3168	Discussion

0102	Patrick Warfield MW 2:00pm - 2:50pm F 2:00pm - 2:50pm	Seats (Total: 25) PAC 2200 PAC 3168	 Discussion
0103	Patrick Warfield MW 2:00pm - 2:50pm F 3:00pm - 3:50pm	Seats (Total: 25) PAC 2200 PAC 3168	 Discussion

MUSC329A **Ensemble; University of Maryland Chorale**

MUSC329A *(PermReq)* **Ensemble: University of Maryland Chorale; (1 credit)** Grade Method: REG.
Audition required before permission of department will be granted, contact instructor to make arrangements. Monthly evening rehearsals will be scheduled as announced.

0101	Scot Hanna-Weir TuTh 3:00pm - 4:30pm	Seats (Total: 75) PAC 2201	 Lab

MUSC329B **Ensemble; Chamber Singers**

MUSC329B *(PermReq)* **Ensemble: Chamber Singers; (1 credit)** Grade Method: REG.
Audition required before permission of department will be granted, contact instructor to make arrangements. Monthly evening rehearsals will be scheduled as announced.

0101	Edward Maclary TuTh 4:30pm - 6:00pm	Seats (Total: 50) PAC 2201	 Lab

MUSC329E **Ensemble; Gospel Choir**

MUSC329E Ensemble: Gospel Choir; (1 credit) Grade Method: REG.

0101	Anne Carswell Th 7:00pm - 10:00pm	Seats (Total: 60) PAC 2201	 Lab

MUSC329M **Ensemble; Men's Chorus**

MUSC329M Ensemble: Men's Chorus; (1 credit) Grade Method: REG.
Monthly evening rehearsals will be scheduled as announced.

0101	Joseph Shortall MWF 12:00pm - 12:50pm	Seats (Total: 40) PAC 1230	Lab

MUSC329O **Ensemble; Opera Chorus**

MUSC329O *(PermReq)* **Ensemble: Opera Chorus; (1 credit)** Grade Method: REG.

0101	Edward Maclary F 4:00pm - 6:00pm	Seats (Total: 25) PAC 2170	

MUSC329W **Ensemble; Women's Chorus**

MUSC329W Ensemble: Women's Chorus; (1 credit) Grade Method: REG.
Monthly evening rehearsals will be scheduled as announced.

0101	Kenneth Elpus MWF 12:00pm - 12:50pm	Seats (Total: 60) PAC 2201	Lab

MUSC330 **Music History III**

MUSC330 *(PermReq)* **Music History III; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: MUSC320; and permission of ARHU-School of Music department.* A historical study of Western music from 1800 to present.

0101	Kate Weber-Petrova MW 2:00pm - 2:50pm F 1:00pm - 1:50pm	Seats (Total: 25) PAC 2201 PAC 2168	 Discussion
0102	Kate Weber-Petrova MW 2:00pm - 2:50pm F 2:00pm - 2:50pm	Seats (Total: 25) PAC 2201 PAC 2168	 Discussion
0103	Kate Weber-Petrova MW 2:00pm - 2:50pm F 3:00pm - 3:50pm	Seats (Total: 25) PAC 2201 PAC 2168	 Discussion

MUSC369M **Special Topics in Study Abroad III; Masterpieces of Italian Opera**
Contact department for information to register for this course.

MUSC379 **Opera Workshop**

MUSC379 *(PermReq)* **Opera Workshop; (1 credit)** Grade Method: REG/P-F.

0101	Nicholas Olcott	Seats (Total: 15)	
	MW 4:00pm - 6:00pm	PAC 2170	Lab

MUSC386 **Experiential Learning**

MUSC386 *(PermReq)* **Experiential Learning; (6 credits)** Grade Method: REG/P-F.
Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: Permission of ARHU-School of Music department. Restriction: Junior standing or higher.

Contact department for information to register for this course.

MUSC388 **Music Internship**

MUSC388 *(PermReq)* **Music Internship; (3 credits)** Grade Method: REG/P-F/AUD.
Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of instructor.

Contact department for information to register for this course.

MUSC389 **Music Internship Analysis**

MUSC389 *(PermReq)* **Music Internship Analysis; (1 credit)** Grade Method: REG/P-F/AUD.

0101	Lori DeBoy	Seats (Total: 5)	
	Contact instructor or department for details.		
0201	Michael Hewitt	Seats (Total: 1)	
	Contact instructor or department for details.		

MUSC400S **Music Pedagogy**

MUSC400S Music Pedagogy; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MUSP315; and permission of ARHU-School of Music department.
Conference course. A study of major pedagogical treatises in music, and an evaluation of pedagogical techniques, materials, and procedures.

0101	Gerald Fischbach	Seats (Total: 35)
	TuTh 2:00pm - 3:15pm	PAC 2170

MUSC428 **Repertoire Coaching of Vocal or Chamber Music**

MUSC428 *(PermReq)* **Repertoire Coaching of Vocal or Chamber Music; (2 credits)** Grade Method: REG.

0101	Rita Sloan	Seats (Total: 5)
	Contact instructor or department for details.	

MUSC443 **Solo Vocal Literature**

MUSC443 *(PermReq)* **Solo Vocal Literature; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: MUSC330 and MUSC331; or students who have taken courses with similar or comparable course content may contact the department. The study of solo vocal literature from the Baroque Cantata to the Art Song of the present. The Lied, Melodie, vocal chamber music and the orchestral song are examined.

0101	Diba Alvi	Seats (Total: 10)
	TuTh 9:00am - 10:15am	PAC 2170

MUSC444 **Wind and Percussion Literature**

MUSC444 *(PermReq)* **Wind and Percussion Literature; (1 credit)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: Permission of ARHU-School of Music department. Corequisite: Concurrently enrolled in MUSP420 or MUSP419. Recital program notes and written projects in wind or percussion literature.

Contact department for information to register for this course.

MUSC446 **String Literature**

MUSC446 *(PermReq)* **String Literature; (1 credit)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: MUSP316; and permission of ARHU-School of Music department.
Recital program notes and written projects in string literature.

Contact department for information to register for this course.

MUSC448 **Selected Topics in Music**

MUSC448 *(PermReq)* **Selected Topics in Music; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MUSC448A **Selected Topics in Music; Marching Band Techniques**

MUSC448A Selected Topics in Music: Marching Band Techniques; (2 credits) Grade Method: REG.

0101	Lowell Sparks	Seats (Total: 10)
	Contact instructor or department for details.	

MUSC448B **Selected Topics in Music; Orchestral Excerpts for Bassists**

MUSC448B *(PermReq)* **Selected Topics in Music: Orchestral Excerpts for Bassists; (1 credit)** Grade Method: REG/P-F/AUD.
Also offered as MUSC699B.

0101	Robert Oppelt	Seats (Total: 15)
	Contact instructor or department for details.	

MUSC448C **Selected Topics in Music; Chamber Music Literature**

MUSC448C Selected Topics in Music: Chamber Music Literature; (3 credits) Grade Method: REG/P-F/AUD.

0101	Richard Wexler	Seats (Total: 12)
	MW 12:00pm - 1:15pm	PAC 3110A

MUSC448K **Selected Topics in Music; Keyboard Skills for Vocalists**

MUSC448K *(PermReq)* **Selected Topics in Music: Keyboard Skills for Vocalists; (1 credit)** Grade Method: REG/P-F/AUD.
This course is for graduate vocal majors only.

0101	Rita Sloan	Seats (Total: 10)
	Contact instructor or department for details.	

MUSC448N **Selected Topics in Music; Orchestral Excerpts for Viola**

MUSC448N Selected Topics in Music: Orchestral Excerpts for Viola; (1 credit) Grade Method: REG/P-F/AUD.

0101	Daniel Foster	Seats (Total: 5)
	Contact instructor or department for details.	

MUSC448V **Selected Topics in Music; Orchestral Excerpts: Violin**

MUSC448V *(PermReq)* **Selected Topics in Music: Orchestral Excerpts: Violin; (1 credit)** Grade Method: REG/P-F/AUD.

0101	Elisabeth Adkins	Seats (Total: 15)
	M 1:00pm - 1:50pm	PAC 2164

MUSC448W **Selected Topics in Music; Instrumental Pedagogy**

MUSC448W *(PermReq)* **Selected Topics in Music: Instrumental Pedagogy; (1 credit)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MUSC448X **Selected Topics in Music; Orchestral Excerpts for Harpists**

MUSC448X Selected Topics in Music: Orchestral Excerpts for Harpists; (1 credit) Grade Method: REG/P-F/AUD.

0101	Sarah Fuller	Seats (Total: 15)
	Contact instructor or department for details.	

MUSC450 **Musical Form**

MUSC450 *(PermReq)* **Musical Form; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: MUSC251. A study of the principles of organization in music with emphasis on eighteenth and nineteenth century European music. Reading and analysis of scores exemplifying the musical forms.

0101	Daniel Zimmerman	Seats (Total: 25)
	TuTh 2:00pm - 3:15pm	PAC 2164

MUSC453 **Jazz Improvisation I**

MUSC453 *(PermReq)* **Jazz Improvisation I; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: MUSC251; or students who have taken courses with similar or comparable course content may contact the department. And permission of ARHU-School of Music department. Credit only granted for: MUSC345 or MUSC453. Formerly: MUSC345. Jazz theory, notational conventions, improvisation techniques, reading and analysis of music, and performance in small combo format.

0101	Andrew Hare	Seats (Total: 8)
	M 7:15pm - 9:50pm	PAC 1208

MUSC455 **Theory of Jazz**

MUSC455 Theory of Jazz; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MUSC250; or permission of ARHU-School of Music department. Restriction: Must be in a major within ARHU-School of Music department. Analysis of jazz harmony, with emphasis on principles of substitution, reharmonization, and syntax. Topics may also include chord/scale relationships, phrasing and articulation, notation, and introductory arranging concepts such as orchestration and form.

0101	Timothy Powell	Seats (Total: 12)
	MW 3:00pm - 4:15pm	PAC 2168

MUSC460 **Tonal Counterpoint I**

MUSC460 *(PermReq)* **Tonal Counterpoint I; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: MUSC251; or permission of ARHU-School of Music department. A course in Eighteenth-Century contrapuntal techniques, analysis and original composition of two-voice dances, preludes, and inventions. Includes an introduction to the study of fugue and canon.

0101	James Fry	Seats (Total: 15)
	TuTh 2:00pm - 3:15pm	PAC 2160

MUSC467 **Piano Pedagogy I**

MUSC467 Piano Pedagogy I; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Permission of ARHU-School of Music department. A study of major pedagogical treatises in music, and an evaluation of pedagogical techniques, materials, and procedures.

0101	Cleveland Page	Seats (Total: 15)
	MW 11:00am - 12:15pm	PAC 2170

MUSC471 **Contemporary Compositional Techniques**

MUSC471 Contemporary Compositional Techniques; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MUSC470; and permission of ARHU-School of Music department. Continuation of MUSC470, with emphasis on the analysis of individual works written since 1945.

0101	Thomas DeLio	Seats (Total: 15)
	W 11:00am - 1:30pm	PAC 2164

MUSC484 **Music in the Romantic Era**

MUSC484 Music in the Romantic Era; (3 credits) Grade Method: REG/P-F/AUD.
Survey of western music from 1820 to 1900.

0101	Kate Weber-Petrova	Seats (Total: 25)
	W 10:00am - 12:30pm	PAC 3168

MUSC490 **Conducting**

MUSC490 *(PermReq)* **Conducting; (2 credits)** Grade Method: REG.
Prerequisite: MUSC251. Vocal and instrumental baton techniques.

0101	Edward Maclary MWF 11:00am - 11:50am	Seats (Total: 13) PAC 2201
0201	Edward Maclary MWF 1:00pm - 1:50pm	Seats (Total: 13) PAC 2201

MUSC499 **Independent Studies**

MUSC499 *(PermReq)* **Independent Studies; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MUSC550 **Theory of Music Graduate Review**

MUSC550 Theory of Music Graduate Review; (3 credits) Grade Method: REG/AUD.
Restriction: Permission of ARHU-School of Music department. Music theory review for graduate students:aural training, counterpoint, basic diatonic harmony, chromatic harmony, and analysis of complete works.

0101	James Fry TuTh 9:30am - 10:45am	Seats (Total: 20) PAC 2164

MUSC601 **Advanced English Lyric Diction**

MUSC601 Advanced English Lyric Diction; (1 credit) Grade Method: REG/AUD.
Restriction: Must be in one of the following programs (Music - Doctoral (Doctoral); Music - Master (Master's)) . And permission of instructor; or Admission to graduate voice program. Concepts, strategies and techniques for singing operatic, oratorio and song literature in English: stress patterns, linkage, stressed and non stressed vowels, dipthongs, placement of consonants and vowels, and communication of text with emphasis on current performance practices. Use of the International Phonetic Alphabet (IPA) will be stressed.

0101	Linda Mabbs	Seats (Total: 15)
	Tu 10:30am - 12:00pm	PAC 2170

MUSC604 **Advanced French Lyric Diction**

MUSC604 Advanced French Lyric Diction; (1 credit) Grade Method: REG/AUD. *Restriction: Must be in one of the following programs (Music - Doctoral (Doctoral); Music - Master (Master's)) . And permission of instructor; or Admission to graduate voice program.* Concepts, strategies and techniques for singing operatic and song literature in French: phoneticization, formation and singing of the vowel-sounds, semi-consonants, and consonants; the liaison; legato singing in French; the hiatus, mute and aspirate 'h'; stress and word rhythm. Use of the International Phonetic Alphabet (IPA) will be stressed.

0101	Gran Wilson	Seats (Total: 15)
	Tu 10:30am - 12:00pm	PAC 1218

MUSC605 **Opera Repertory I**

MUSC605 *(PermReq)* **Opera Repertory I; (1 credit)** Grade Method: REG/AUD. *Prerequisite: MUSC602; or permission of instructor. Restriction: Must be in one of the following programs (Music - Doctoral (Doctoral); Music - Master (Master's)).* Advanced vocal coaching of selections from the Italian, French, German, and English opera repertory: musical accuracy; language facility; diction clarity; and dramatic interpretation.

0101	Dominic Cossa	Seats (Total: 10)
	Th 10:30am - 12:00pm	PAC 2170

MUSC608 **Chamber Music Repertory; Chamber Music Repertoire**

MUSC608 *(PermReq)* **Chamber Music Repertory: Chamber Music Repertoire; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MUSC609 **Piano Chamber Music Practicum and Analysis**

MUSC609 *(PermReq)* **Piano Chamber Music Practicum and Analysis; (2 credits)** Grade Method: REG/AUD.

0101	Rita Sloan	Seats (Total: 10)	
	Contact instructor or department for details.		

MUSC611 **Opera Techniques I**

MUSC611 Opera Techniques I; (2 credits) Grade Method: REG/AUD. *Corequisite: Concurrently enrolled in MUSC601. Restriction: Permission of director of opera; and must be in one of the following programs (Music - Doctoral (Doctoral); Music - Master (Master's)).* Techniques for opera performance: Improvisation; Acting I, Scene Study I; and Movement I. Practical application of styles and techniques to operatic repertoire.

0101	Nicholas Olcott	Seats (Total: 10)	
	TBA	PAC 2170	
	TBA	PAC 1218	Lab

MUSC613 **Opera Techniques III**

MUSC613 *(PermReq)* **Opera Techniques III; (2 credits)** Grade Method: REG/AUD. *Prerequisite: Minimum grade of B- in MUSC612; and Permission of Director of Opera required. Corequisite: Concurrently enrolled in MUSC603 and MUSC605. Restriction: Must be in one of the following programs (Music - Doctoral (Doctoral); Music - Master (Master's)).* Continuation of MUSC 612. Techniques for opera performance: Scene Study III; Movement III; and Shakespeare.

0101	Nicholas Olcott	Seats (Total: 10)	
	TBA	PAC 2170	
	TBA	PAC 1218	Lab

MUSC629A **Ensemble; Orchestra**

MUSC629A *(PermReq)* **Ensemble: Orchestra; (1 credit)** Grade Method: REG. Audition required before permission of department will be granted, contact instructor to make arrangements.

0101	James Ross	Seats (Total: 50)	
	TuTh 3:30pm - 6:30pm	PAC 1230	Lab

MUSC629B **Ensemble; University of Maryland Brass Ensemble**

MUSC629B *(PermReq)* **Ensemble: University of Maryland Brass Ensemble; (1 credit)** Grade Method: REG.

0101	Gregory Miller	Seats (Total: 10)	
	W 7:30pm - 10:00pm	PAC 1230	Lab

MUSC629C **Ensemble; Wind Ensemble**

MUSC629C Ensemble: Wind Ensemble; (1 credit) Grade Method: REG.

0101	Lowell Sparks	Seats (Total: 20)	
	MWF 11:00am - 12:30pm	PAC 2540	Lab

MUSC629F **Ensemble; Marching Band**

MUSC629F Ensemble: Marching Band; (1 credit) Grade Method: REG.

0101	Lowell Sparks	Seats (Total: 175)	
	MWF 3:00pm - 5:00pm	PAC 2540	Lab

MUSC629G **Ensemble; Balinese Gamelan**

MUSC629G Ensemble: Balinese Gamelan; (1 credit) Grade Method: REG.

0101	I Suadin	Seats (Total: 5)	
	Th 7:00pm - 8:30pm	PAC 1230	Lab

MUSC629H **Ensemble; Harp**

MUSC629H Ensemble: Harp; (1 credit) Grade Method: REG.

0101	Sarah Fuller	Seats (Total: 1)	
	TuTh 11:00am - 12:15pm	Location: TBA	Lab

MUSC629I **Ensemble; New Music Ensemble**

MUSC629I *(PermReq)* **Ensemble: New Music Ensemble; (1 credit)** Grade Method: REG.
By permission of instructor.

0101	Dora Hanninen	Seats (Total: 5)	
	Contact instructor or department for details.		

MUSC629J **Ensemble; Jazz Ensemble**

MUSC629J *(PermReq)* **Ensemble: Jazz Ensemble; (1 credit)** Grade Method: REG.
Audition required before permission of department will be granted, contact instructor to make arrangements.

0101	Christopher Vadala	Seats (Total: 20)	
	MW 5:30pm - 7:15pm	PAC 1230	Lab
0201	Christopher Vadala	Seats (Total: 10)	
	MW 1:00pm - 2:20pm	PAC 1230	Lab
0301	Christopher Vadala	Seats (Total: 10)	
	M 7:30pm - 9:30pm	PAC 1230	Lab

MUSC629K **Ensemble; Japanese Koto**

MUSC629K Ensemble: Japanese Koto; (1 credit) Grade Method: REG.

0101	Kyoko Okamoto	Seats (Total: 2)	
	Tu 5:30pm - 7:00pm	PAC 3160	Lab

MUSC629L **Ensemble; Advanced Japanese Koto**

MUSC629L *(PermReq)* **Ensemble: Advanced Japanese Koto; (1 credit)** Grade Method: REG.

0101	Kyoko Okamoto	Seats (Total: 4)	
	Tu 7:00pm - 8:30pm	PAC 3160	Lab

MUSC629M **Ensemble; Chamber Music - Flute Choir**

MUSC629M Ensemble: Chamber Music - Flute Choir; (1 credit) Grade Method: REG.

0101	William Montgomery	Seats (Total: 6)	
	Contact instructor or department for details.		

MUSC629O **Ensemble; Tuba & Euphonium**

MUSC629O Ensemble: Tuba & Euphonium; (1 credit) Grade Method: REG.

0101	Paul Kellner	Seats (Total: 5)	
	Contact instructor or department for details.		

MUSC629P **Ensemble; Percussion Ensemble**

MUSC629P Ensemble: Percussion Ensemble; (1 credit) Grade Method: REG.

0101	Lee Hinkle	Seats (Total: 5)	
	W 5:15pm - 7:00pm	PAC 2540	Lab
	F 4:00pm - 6:00pm	PAC 1230	Lab
0201	Eric Shin	Seats (Total: 5)	
	Contact instructor or department for details.		

MUSC629Q **Ensemble; Korean Percussion Ensemble**

MUSC629Q Ensemble: Korean Percussion Ensemble; (1 credit) Grade Method: REG.

0101	Sebastian Wang	Seats (Total: 5)	
	Th 7:00pm - 8:30pm	PAC 2170	

MUSC629R **Ensemble; Repertoire Orchestra**

MUSC629R *(PermReq)* **Ensemble: Repertoire Orchestra; (1 credit)** Grade Method: REG.

Audition required before permission of department will be granted, contact instructor to make arrangements.

0101	James Ross	Seats (Total: 10)	
	MW 3:00pm - 5:00pm	PAC 1230	Lab

MUSC629S **Ensemble; Saxophone**

MUSC629S *(PermReq)* **Ensemble: Saxophone; (1 credit)** Grade Method: REG.

0101	Timothy Powell	Seats (Total: 5)	
	Tu 7:30pm - 9:30pm	PAC 2126	Lab

MUSC629T **Ensemble; Trombone**

MUSC629T *(PermReq)* **Ensemble: Trombone; (1 credit)** Grade Method: REG.

0101	Matthew Guilford	Seats (Total: 5)
	Contact instructor or department for details.	

MUSC629U **Ensemble; University Band**

MUSC629U Ensemble: University Band; (1 credit) Grade Method: REG.
Open by audition, contact instructor to make arrangements.

0101	Elijah Osterloh	Seats (Total: 10)	
	W 7:30pm - 9:30pm	PAC 2540	Lab

MUSC629W **Ensemble; Wind Orchestra**

MUSC629W Ensemble: Wind Orchestra; (1 credit) Grade Method: REG.
Open by audition, contact instructor to make arrangements.

0101	Michael Votta	Seats (Total: 30)	
	TuTh 3:30pm - 6:30pm	PAC 2540	Lab

MUSC629Z **Ensemble; Jazz Combo**

MUSC629Z *(PermReq)* **Ensemble: Jazz Combo; (1 credit)** Grade Method: REG.
Audition required before permission of department will be granted, contact instructor to make arrangements.

0101	Gerard Kunkel Contact instructor or department for details.	Seats (Total: 10)
0201	Thomas Baldwin Contact instructor or department for details.	Seats (Total: 10)
0301	Alexander Poetzschke Contact instructor or department for details.	Seats (Total: 10)
0401	Brent Madsen Contact instructor or department for details.	Seats (Total: 10)

MUSC639B **Seminar in Music; Beethoven**

MUSC639B *(PermReq)* **Seminar in Music: Beethoven; (3 credits)** Grade Method: REG/AUD.

0101	Richard Wexler Tu 7:00pm - 9:30pm	Seats (Total: 12) PAC 3110A

MUSC643 **Seminar in Solo Vocal Literature I**

MUSC643 Seminar in Solo Vocal Literature I; (3 credits) Grade Method: REG/AUD.
Prerequisite: MUSC443; or students who have taken courses with similar or comparable course content may contact the department. An intensive study of solo vocal literature from its origin to the present.

0101	Rita Sloan, Delores Ziegler W 3:00pm - 5:30pm	Seats (Total: 20) PAC 2200

MUSC648 **Seminar in Music Research; Seminar in Music Research**

MUSC648 *(PermReq)* **Seminar in Music Research: Seminar in Music Research; (3 credits)** Grade Method: REG/AUD.

0101	Mary Macklem Tu 7:00pm - 9:30pm	Seats (Total: 15) PAC 2515C
0201	Janice Holly M 7:00pm - 9:30pm	Seats (Total: 15) PAC 2515C

0301	Barbara Haggh-Huglo TuTh 9:30am - 10:45am	Seats (Total: 15) PAC 2515C	
0401	Janice Holly Th 7:00pm - 9:30pm	Seats (Total: 15) PAC 2515C	

MUSC649A **Ensemble; University of Maryland Chorale**

MUSC649A *(PermReq)* **Ensemble: University of Maryland Chorale; (1 credit)** Grade Method: REG.
Audition required before permission of department will be granted, contact instructor to make arrangements.

0101	Scot Hanna-Weir TuTh 3:00pm - 4:30pm	Seats (Total: 10) PAC 2201	Lab

MUSC649B **Ensemble; Chamber Singers**

MUSC649B *(PermReq)* **Ensemble: Chamber Singers; (1 credit)** Grade Method: REG.
Audition required before permission of department will be granted, contact instructor to make arrangements.

0101	Edward Maclary TuTh 4:30pm - 6:00pm	Seats (Total: 10) PAC 2201	Lab

MUSC649E **Ensemble; Ensemble: Gospel Choir**

MUSC649E Ensemble: Ensemble: Gospel Choir; (1 credit) Grade Method: REG.

0101	Anne Carswell Th 7:00pm - 10:00pm	Seats (Total: 10) PAC 2201	Lab

MUSC649M **Ensemble; Men's Chorus**

MUSC649M Ensemble: Men's Chorus; (1 credit) Grade Method: REG.

0101	Dustin Francis MWF 12:00pm - 12:50pm	Seats (Total: 10) PAC 1230	Lab

MUSC649W **Ensemble; Women's Chorus**

MUSC649W Ensemble: Women's Chorus; (1 credit) Grade Method: REG.

0101	Kenneth Elpus	Seats (Total: 10)	
	MWF 12:00pm - 12:50pm	PAC 2201	Lab

MUSC651 **The Theories of Heinrich Schenker**

MUSC651 *(PermReq)* **The Theories of Heinrich Schenker; (3 credits)** Grade Method: REG/AUD.
Prerequisite: MUSC450; or permission of ARHU-School of Music department. The analytical methods of Heinrich Schenker with application of those theories to musical literature from the Baroque, Classical and Romantic periods.

0101	Thomas DeLio	Seats (Total: 10)
	W 2:00pm - 4:30pm	PAC 2164

MUSC653 **Jazz Improvisation I**

MUSC653 *(PermReq)* **Jazz Improvisation I; (3 credits)** Grade Method: REG/AUD.
Restriction: Permission of ARHU-School of Music department. Credit only granted for: MUSC653 or MUSC699Z. Formerly: MUSC699Z. Study of improvisational techniques and historical styles of jazz, including study of jazz "language" through transcription and analysis of recorded solos, and the exploration of creative processes and philosophical concepts.

0101	Andrew Hare	Seats (Total: 5)
	M 7:15pm - 9:50pm	PAC 1208

MUSC655 **Theory of Jazz**

MUSC655 *(PermReq)* **Theory of Jazz; (3 credits)** Grade Method: REG/AUD.
Restriction: Permission of ARHU-School of Music department. Credit only granted for: MUSC655 ir MUSC699J. Formerly: MUSC699J. Analysis of jazz harmony, with emphasis on principles of substitution, reharmonization, and syntax. Topics may also include chord/scale relationships, phrasing, articulation, notation and orchestration.

0101	Timothy Powell MW 3:00pm - 4:15pm	Seats (Total: 4) PAC 2168

MUSC659 **Seminar in Choral Repertoire and Pedagogy**

MUSC659 *(PermReq)* **Seminar in Choral Repertoire and Pedagogy; (2-3 credits)** Grade Method: REG/AUD.

0101	Edward Maclary MW 10:00am - 10:50am	Seats (Total: 6) PAC 3160

MUSC660 **String Pedagogy**

MUSC660 String Pedagogy; (3 credits) Grade Method: REG/AUD.
Restriction: Permission of ARHU-School of Music department. Credit only granted for: MUSC400S or MUSC660. A study of major string pedagogical treatises, and an evaluation of string pedagogical techniques, materials, and procedures.

0101	Gerald Fischbach TuTh 2:00pm - 3:15pm	Seats (Total: 35) PAC 2170

MUSC669N **Orchestral Excerpts for String Players; Viola**

MUSC669N Orchestral Excerpts for String Players: Viola; (3 credits) Grade Method: REG/AUD.

0101	Daniel Foster Contact instructor or department for details.	Seats (Total: 5)

MUSC670 **Advanced Analytical Techniques I**

MUSC670 *(PermReq)* **Advanced Analytical Techniques I; (3 credits)** Grade Method: REG/AUD.
Prerequisite: MUSC451; or permission of ARHU-School of Music department. Analysis of representative masterpieces of the eighteenth and early nineteenth centuries.

0101	Lawrence Moss W 5:30pm - 8:00pm	Seats (Total: 15) PAC 2164

MUSC675 **Music Theory Pedagogy**

MUSC675 Music Theory Pedagogy; (3 credits) Grade Method: REG/AUD.
Analysis of introductory level music theory courses, evaluation of text materials, and teaching approaches for music fundamentals, aural training, and basic undergraduate theory programs.

0101	Daniel Zimmerman TuTh 11:00am - 12:15pm	Seats (Total: 15) PAC 3160

MUSC689 **Advanced Conducting**

MUSC689 *(PermReq)* **Advanced Conducting; (3 credits)** Grade Method: REG/AUD.

0201	James Ross M 3:00pm - 5:00pm M 7:00pm - 9:00pm	Seats (Total: 5) PAC 3164 PAC 2540
0301	Michael Votta Tu 7:00pm - 9:30pm	Seats (Total: 5) PAC 3168

MUSC699 **Selected Topics in Music**

MUSC699 *(PermReq)* **Selected Topics in Music; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MUSC699B **Selected Topics in Music; Orchestral Excerpts for Bassists**

MUSC699B Selected Topics in Music: Orchestral Excerpts for Bassists; (1 credit) Grade Method: REG/AUD.
Also offered as MUSC448B.

0101	Robert Oppelt Contact instructor or department for details.	Seats (Total: 15)

MUSC699C **Selected Topics in Music; Chamber Music Literature**

MUSC699C Selected Topics in Music: Chamber Music Literature; (3 credits) Grade Method: REG/AUD.

0101	Richard Wexler MW 12:00pm - 1:15pm	Seats (Total: 12) PAC 3110A

MUSC699G **Selected Topics in Music; The Mass from Machaut to Bernstein**

MUSC699G *(PermReq)* **Selected Topics in Music: The Mass from Machaut to Bernstein; (3 credits)** Grade Method: REG.

0101	Barbara Haggh-Huglo TuTh 11:00am - 12:15pm	Seats (Total: 12) PAC 3110A

MUSC699L **Selected Topics in Music; Orchestral Excerpts: Violin**

MUSC699L Selected Topics in Music: Orchestral Excerpts: Violin; (1 credit) Grade Method: REG/AUD.

0101	Elisabeth Adkins M 1:00pm - 1:50pm	Seats (Total: 15) PAC 2164

MUSC699N **Selected Topics in Music; Violists**

MUSC699N Selected Topics in Music: Violists; (1 credit) Grade Method: REG/AUD.

0101	Daniel Foster Contact instructor or department for details.	Seats (Total: 5)

MUSC699W **Selected Topics in Music; Instrumental Pedagogy**

MUSC699W Selected Topics in Music: Instrumental Pedagogy; (3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MUSC699X **Selected Topics in Music; Orchestral Excerpts for Harpists**

MUSC699X Selected Topics in Music: Orchestral Excerpts for Harpists; (3 credits) Grade Method: REG/AUD.

0101	Sarah Fuller Contact instructor or department for details.	Seats (Total: 15)

MUSC757 **Aural Skills for Conductors**

MUSC757 Aural Skills for Conductors; (1 credit) Grade Method: REG/AUD.
Restriction: Permission of ARHU-School of Music department. Advanced musicianship skills necessary for conductors.

0101	James Ross W 1:00pm - 2:15pm	Seats (Total: 5) PAC 2126

MUSC799 **Master's Thesis Research**

MUSC799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MUSC800S **Advanced Seminar in Music Pedagogy**

MUSC800S Advanced Seminar in Music Pedagogy; (3 credits) Grade Method: REG/AUD.
Prerequisite: MUSC400; or students who have taken courses with similar or comparable course content may contact the department. Restriction: Permission of instructor. A detailed study of historical and contemporary methods of pedagogy, and analysis of pedagogical problems. Sectioning by instrument. Required of all candidates for the D.M.A. Degree in performance and literature.

0101	Gerald Fischbach TuTh 2:00pm - 3:15pm	Seats (Total: 35) PAC 2170
0201	Sarah Fuller Contact instructor or department for details.	Seats (Total: 5)

MUSC800W **Advanced Seminar in Music Pedagogy**

MUSC800W Advanced Seminar in Music Pedagogy; (3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: MUSC400; or students who have taken courses with similar or comparable course content may contact the department. Restriction: Permission of instructor. A detailed study of historical and contemporary methods of pedagogy, and analysis of pedagogical problems. Sectioning by instrument. Required of all candidates for the D.M.A. Degree in performance and literature.

Contact department for information to register for this course.

MUSC801W **Advanced Seminar in Music Pedagogy**

MUSC801W Advanced Seminar in Music Pedagogy; (3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: MUSC400; or students who have taken courses with similar or comparable course content may contact the department. Restriction: Permission of instructor. A detailed study of historical and contemporary methods of pedagogy, and analysis of pedagogical problems. Sectioning by instrument. Required of all candidates for the D.M.A. Degree in performance and literature.

Contact department for information to register for this course.

MUSC811 **Doctoral Opera Techniques**

MUSC811 Doctoral Opera Techniques; (2 credits) Grade Method: REG/AUD.
Restriction: Permission of ARHU-School of Music department. Credit only granted for: MUSC611 or MUSC811. Techniques for opera performance: Improvisation; Acting I, Scene Study I; and Movement I. Practical application of styles, techniques to operat e repertoire, and methodology seminar.

0101	Nicholas Olcott	Seats (Total: 5)	
	TBA	PAC 2170	
	TBA	PAC 1218	Lab

MUSC813 **Doctoral Opera Techniques III**

MUSC813 Doctoral Opera Techniques III; (2 credits) Grade Method: REG/AUD.
Prerequisite: MUSC812; and permission of ARHU-School of Music department. Credit only granted for: MUSC613 and MUSC813. Continuation of MUSC812. Techniques for opera performance: Scene Study III; Movement III; Acting III Shakespeare; Dance I; Stage Combat II; Stage Combat II; and methodology seminar.

0101	Nicholas Olcott	Seats (Total: 5)	
	TBA	PAC 2170	
	TBA	PAC 1218	Lab

MUSC830A **Doctoral Seminar in Music Literature**

MUSC830A Doctoral Seminar in Music Literature; (3 credits) Grade Method: REG/AUD.
Prerequisite: Must have completed at least twelve hours in music history and literature. An analytical survey of the literature of music: keyboard music; vocal music; string music; wind instrument music; required of all candidates for the D.M.A. Degree in literature-performance.

0101	Rita Sloan, Delores Ziegler	Seats (Total: 20)
	W 3:00pm - 5:30pm	PAC 2200

MUSC830C **Doctoral Seminar in Music Literature**

MUSC830C *(PermReq)* **Doctoral Seminar in Music Literature; (3 credits)** Grade Method: REG.
Prerequisite: Must have completed at least twelve hours in music history and literature. An analytical survey of the literature of music: keyboard music; vocal music; string music; wind instrument music; required of all candidates for the D.M.A. Degree in literature-performance. For conducting majors.

0201	James Ross	Seats (Total: 5)
	Contact instructor or department for details.	

MUSC830P **Doctoral Seminar in Music Literature**

MUSC830P Doctoral Seminar in Music Literature; (3 credits) Grade Method: REG/AUD.
Prerequisite: Must have completed at least twelve hours in music history and literature. An analytical survey of the literature of music: keyboard music; vocal music; string music; wind instrument music; required of all candidates for the D.M.A. Degree in literature-performance.

0101	Mayron Tsong	Seats (Total: 15)
	W 12:00pm - 2:30pm	PAC 3164

MUSC830V **Doctoral Seminar in Music Literature**

MUSC830V Doctoral Seminar in Music Literature; (3 credits) Grade Method: REG/AUD.
Prerequisite: Must have completed at least twelve hours in music history and literature. An analytical survey of the literature of music: keyboard music; vocal music; string music; wind instrument music; required of all candidates for the D.M.A. Degree in literature-performance.

0101	Rita Sloan, Delores Ziegler	Seats (Total: 20)
	W 3:00pm - 5:30pm	PAC 2200

MUSC830W **Doctoral Seminar in Music Literature**

MUSC830W Doctoral Seminar in Music Literature; (3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: Must have completed at least twelve hours in music history and literature. An analytical survey of the literature of music: keyboard music; vocal music; string music; wind instrument music; required of all candidates for the D.M.A. Degree in literature-performance.

Contact department for information to register for this course.

MUSC831C **Doctoral Seminar in Music Literature**

MUSC831C *(PermReq)* **Doctoral Seminar in Music Literature; (3 credits)** Grade Method: REG/AUD.
Prerequisite: MUSC830; or permission of ARHU-School of Music department. An analytical survey of the literature of music: keyboard music; vocal music; string music; wind instrument music. Required of all candidates for the D.M.A. Degree in literature-performance.

0201	James Ross	Seats (Total: 5)
	Contact instructor or department for details.	

MUSC831W **Doctoral Seminar in Music Literature**

MUSC831W Doctoral Seminar in Music Literature; (3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: MUSC830; or permission of ARHU-School of Music department. An analytical survey of the literature of music: keyboard music; vocal music; string music; wind instrument music. Required of all candidates for the D.M.A. Degree in literature-performance.

Contact department for information to register for this course.

MUSC898 **Pre-Candidacy Research**

MUSC898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MUSC899 **Doctoral Dissertation Research**

MUSC899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

NACS Neuroscience & Cognitive Science Fall 2012

NACS608 **Neuroscience and Cognitive Science Seminar**

NACS608 Neuroscience and Cognitive Science Seminar; (1 credit) Grade Method: REG.

0101	Ricardo Araneda F 10:15am - 11:15am	Seats (Total: 20) BPS 0283

NACS641 **Introduction to Neurosciences**

NACS641 *(PermReq)* **Introduction to Neurosciences; (4 credits)** Grade Method: REG/AUD.
Restriction: Permission of instructor. Detailed examination of neurophysiology and senorimotor systems.

0101	Sandra Blumenrath MW 2:00pm - 4:00pm	Seats (Total: 15) JMZ 1215

NACS728F **Selected Topics in Neuroscience and Cognitive Science; Introduction to Funtional Magnetic Resonance Imaging**

NACS728F Selected Topics in Neuroscience and Cognitive Science: Introduction to Funtional Magnetic Resonance Imaging; (3 credits) Grade Method: REG/AUD.

0101	Luiz Pessoa TuTh 11:00am - 12:15pm	Seats (Total: 20) BPS 1140

NACS728I **Selected Topics in Neuroscience and Cognitive Science; Seminar in Translational Neuroscience**

NACS728I Selected Topics in Neuroscience and Cognitive Science: Seminar in Translational Neuroscience; (3 credits) Grade Method: REG/AUD.
Also offered as BIOL708Z and HESP639I. Credit will be granted for only one of the following: BIOL708Z, HESP639I, or NACS728I.

0101	Patrick Kanold MW 10:30am - 11:45am	Seats (Total: 10) BPS 2249

NACS728R **Selected Topics in Neuroscience and Cognitive Science; Foundational Readings**

NACS728R *(PermReq)* **Selected Topics in Neuroscience and Cognitive Science: Foundational Readings; (2 credits)** Grade Method: REG/AUD.
Department permission required. Weekly discussion of classic papers in neuroscience and cognitive science.

0101	Cynthia Moss, Daphne Soares Tu 1:00pm - 3:00pm	Seats (Total: 12) BPS 1230

NACS728Y **Selected Topics in Neuroscience and Cognitive Science; Introduction to Cognitive Science**

NACS728Y Selected Topics in Neuroscience and Cognitive Science: Introduction to Cognitive Science; (4 credits) Grade Method: REG/AUD.

0101	William Idsardi TuTh 10:00am - 12:00pm	Seats (Total: 25) BPS 2249

NACS898 **Pre-Candidacy Research**

NACS898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

NACS899 **Doctoral Dissertation Research**

NACS899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

NFSC Nutrition and Food Science Fall 2012

NFSC100 **Elements of Nutrition**

The following courses may involve the use of animals. Students who are concerned about the use of animals in teaching have the responsibility to contact the instructor, prior to course enrollment, to determine whether animals are to be used in the course, whether class exercises involving animals are optional or required and what alternatives, if any, are available.

NFSC100 Elements of Nutrition; (3 credits) Grade Method: REG/P-F/AUD. CORE Life Science (LS) Course. GenEd: Distributive Studies - Natural Sciences. Fundamentals of human nutrition. Nutrient requirements related to changing individual and family needs.

0101	Wen Hsing Cheng MW 1:00pm - 1:50pm Th 8:30am - 9:20am	Seats (Total: 25) TYD 0130 SKN 1115	Discussion
0102	Wen Hsing Cheng MW 1:00pm - 1:50pm Th 8:30am - 9:30am	Seats (Total: 25) TYD 0130 KEY 0103	Discussion
0103	Wen Hsing Cheng MW 1:00pm - 1:50pm W 11:00am - 11:50am	Seats (Total: 25) TYD 0130 LEF 1201	Discussion
0104	Wen Hsing Cheng MW 1:00pm - 1:50pm Th 12:30pm - 1:20pm	Seats (Total: 25) TYD 0130 SYM 0209	Discussion
0105	Wen Hsing Cheng MW 1:00pm - 1:50pm F 11:00am - 11:50am	Seats (Total: 25) TYD 0130 HJP 1125	Discussion
0106	Wen Hsing Cheng MW 1:00pm - 1:50pm F 10:00am - 10:50am	Seats (Total: 25) TYD 0130 ARC 1105	Discussion
0107	Wen Hsing Cheng MW 1:00pm - 1:50pm W 10:00am - 10:50am	Seats (Total: 25) TYD 0130 HBK 0115	Discussion
0108	Wen Hsing Cheng MW 1:00pm - 1:50pm W 2:00pm - 2:50pm	Seats (Total: 25) TYD 0130 WDS 1130	Discussion
0109	Wen Hsing Cheng MW 1:00pm - 1:50pm Tu 2:00pm - 2:50pm	Seats (Total: 25) TYD 0130 HBK 1112	Discussion
0110	Wen Hsing Cheng MW 1:00pm - 1:50pm Th 3:00pm - 3:50pm	Seats (Total: 25) TYD 0130 SQH 2117	Discussion

0111	Wen Hsing Cheng MW 1:00pm - 1:50pm Tu 12:30pm - 1:20pm *Recommended for NFSC majors only.*	Seats (Total: 25) TYD 0130 HBK 0105	Discussion
0112	Wen Hsing Cheng MW 1:00pm - 1:50pm W 3:00pm - 3:50pm	Seats (Total: 25) TYD 0130 JMZ 0120	Discussion
0113	Wen Hsing Cheng MW 1:00pm - 1:50pm W 12:00pm - 12:50pm	Seats (Total: 25) TYD 0130 TLF 1101	Discussion
0114	Wen Hsing Cheng MW 1:00pm - 1:50pm Th 11:00am - 11:50am	Seats (Total: 25) TYD 0130 HBK 1112	Discussion
0116	Wen Hsing Cheng MW 1:00pm - 1:50pm F 12:00pm - 12:50pm	Seats (Total: 25) TYD 0130 WDS 1130	Discussion
0117	Wen Hsing Cheng MW 1:00pm - 1:50pm W 4:00pm - 4:50pm	Seats (Total: 25) TYD 0130 KEY 0124	Discussion
0118	Wen Hsing Cheng MW 1:00pm - 1:50pm Th 2:00pm - 2:50pm	Seats (Total: 25) TYD 0130 SQH 2117	Discussion
FC01	Wen Hsing Cheng, Thomas Castonguay, Nadine Sahyoun MW 4:30pm - 5:20pm F 11:30am - 12:20pm *Restricted to students in Freshmen Connection.*	Seats (Total: 20) SKN 0104 TWS 0201	Discussion
FC02	Wen Hsing Cheng, Nadine Sahyoun, Thomas Castonguay MW 4:30pm - 5:20pm F 1:00pm - 1:50pm *Restricted to students in Freshmen Connection.*	Seats (Total: 20) SKN 0104 JMZ 1215	Discussion

NFSC100H **Elements of Nutrition**

NFSC100H Elements of Nutrition; (3 credits) Grade Method: REG/P-F/AUD. CORE Life Science (LS) Course. GenEd: Distributive Studies - Natural Sciences.
Fundamentals of human nutrition. Nutrient requirements related to changing individual and family needs. For general honors students only.

0101	Wen Hsing Cheng MW 1:00pm - 1:50pm Tu 3:00pm - 3:50pm	Seats (Total: 12) TYD 0130 PLS 1146	 Discussion

NFSC112 **Food: Science and Technology**

NFSC112 Food: Science and Technology; (3 credits) Grade Method: REG/P-F/AUD. CORE Life Science (LS) Course. GenEd: Distributive Studies - Natural Sciences.
Introduction to the realm of food science, food technology and food processing. An overview of the largest industry in the U.S. with emphasis on the science of food and the technology of food preservation from harvest through processing and packaging to distribution and consumer utilization.

0101	Yangming Lo MW 10:00am - 10:50am Th 12:30pm - 1:20pm	Seats (Total: 30) SHM 2102 MTH 0304	 Discussion
0102	Yangming Lo MW 10:00am - 10:50am Th 4:00pm - 4:50pm	Seats (Total: 30) SHM 2102 KEY 0123	 Discussion
0103	Yangming Lo MW 10:00am - 10:50am F 12:00pm - 12:50pm	Seats (Total: 30) SHM 2102 SYM 0215	 Discussion
0104	Yangming Lo MW 10:00am - 10:50am F 3:00pm - 3:50pm	Seats (Total: 30) SHM 2102 ASY 3215	 Discussion
0105	Yangming Lo MW 10:00am - 10:50am W 2:00pm - 2:50pm	Seats (Total: 30) SHM 2102 WDS 0104	 Discussion

0106	Yangming Lo MW 10:00am - 10:50am W 3:00pm - 3:50pm	Seats (Total: 30) SHM 2102 HBK 1108	 Discussion
FC01	Yangming Lo MW 3:00pm - 4:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 24) WDS 0104	

NFSC350 **Foodservice Operations**

NFSC350 *(PermReq)* **Foodservice Operations; (5 credits)** Grade Method: REG. *Prerequisite: BSCI223 and BMGT364; and permission of AGNR-Nutrition and Food Science department. Restriction: Must be in Nutrition and Food Science: Dietetics program.* Introduction to management. Responsibilities in quantity food production and purchasing in a foodservice operation. Laboratory experience in planning, preparation, and service of meals which meet the nutritional needs of the consumer.

0101	Margaret Udahogora TuTh 4:00pm - 5:15pm Tu 8:00am - 1:30pm	Seats (Total: 9) SKN 0104 MMH 3108	 Lab
0102	Margaret Udahogora TuTh 4:00pm - 5:15pm Th 8:00am - 1:30pm	Seats (Total: 9) SKN 0104 MMH 3108	 Lab
0103	Margaret Udahogora TuTh 4:00pm - 5:15pm Tu 8:00am - 1:30pm	Seats (Total: 9) SKN 0104 MMH 3401	 Lab
0104	Margaret Udahogora TuTh 4:00pm - 5:15pm Th 8:00am - 1:30pm	Seats (Total: 9) SKN 0104 MMH 3401	 Lab

NFSC380 **Methods of Nutritional Assessment**

NFSC380 *(PermReq)* **Methods of Nutritional Assessment; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: NFSC315 and BCHM461; and permission of AGNR-Nutrition and Food Science department. Restriction: Must be in Nutrition and Food Science: Food Science program. Methods of assessing human nutritional status of populations and individuals. These methods include dietary, anthropometric, clinical evaluations and biochemical measurements.

0101	Margaret Udahogora MW 1:00pm - 1:50pm M 2:00pm - 5:00pm	Seats (Total: 15) SKN 0104 SKN 0101	 Lab
0102	Margaret Udahogora MW 1:00pm - 1:50pm W 2:00pm - 5:00pm	Seats (Total: 15) SKN 0104 SKN 0101	 Lab

NFSC386 **Experiential Learning**

NFSC386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: Permission of AGNR-Nutrition and Food Science department. Restriction: Junior standing or higher. Formerly: FDSC386 and NUTR386.

Contact department for information to register for this course.

NFSC388 **Honors Thesis Research**

NFSC388 Honors Thesis Research; (3-6 credits) Grade Method: REG.

1301	Qin Wang Contact instructor or department for details.	Seats (Total: 10)

NFSC399 **Special Problems in Food Science**

NFSC399 *(PermReq)* **Special Problems in Food Science; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

NFSC410 **Nutritional Genomics**

NFSC410 Nutritional Genomics; (3 credits) Grade Method: REG/AUD. *Prerequisite: NFSC440; or permission of AGNR-Nutrition and Food Science department.* The emerging discipline of nutritional genomics, also known as nutrigenomics, is the study of effects of diet on the activity of an individual's genes and health, and the study of how different genetic variations affect nutrient metabolism. This course is designed to acquaint the students with current concepts, knowledge and strategies for understanding nutritional genomics. Also offered as NFSC678C.

0101	Wen Hsing Cheng	Seats (Total: 20)	
	Th 4:00pm - 6:45pm	SKN 0101	

NFSC421 **Food Chemistry**

NFSC421 *(PermReq)* **Food Chemistry; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: BCHM461.* Basic chemical and physical concepts are applied to the composition and properties of foods. Emphasis on the relationship of processing technology to the keeping quality, nutritional value, and acceptability of foods.

0101	Liangli Yu	Seats (Total: 30)	
	MW 12:30pm - 1:45pm	SQH 1119	

NFSC422 **Food Product Research and Development**

NFSC422 Food Product Research and Development; (3 credits) Grade Method: REG/P-F/AUD. CORE Capstone (CS) Course. GenEd: Distributive Studies - Natural Science Lab or Distributive Studies - Scholarship in Practice.
Restriction: Senior standing; and must be in a major within AGNR-Nutrition and Food Science department; and permission of AGNR-Nutrition and Food Science department. Formerly: FDSC422. A capstone course for FDSC majors. A study of the research and development of new food products. Application of food technology, engineering, safety and packaging are integrated by teams of students to develop a new food product from concept to pilot plant scale-up. Students will travel to nearby food processing plants on two to four Saturdays during the semester.

0101	Qin Wang	Seats (Total: 15)	
	W 2:00pm - 2:50pm	PLS 1162	
	F 1:00pm - 5:00pm	MMH 3401	Lab

NFSC423 **Food Chemistry Laboratory**

NFSC423 Food Chemistry Laboratory; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Natural Science Lab or Distributive Studies - Scholarship in Practice.
Prerequisite: Completed or be concurrently enrolled in NFSC421. Analysis of the major and minor constituents of food using chemical, physical and instrumental methods in concordance with current food industry and regulatory practices. Laboratory exercises coincide with lecture subjects in NFSC421.

0101	Liangli Yu	Seats (Total: 15)	
	W 8:30am - 9:20am	MMH 3419	
	W 9:30am - 12:20pm	MMH 3419	Lab

NFSC425 **International Nutrition**

NFSC425 International Nutrition; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Must have completed one course in basic nutrition. Nutritional status of world population; consequences of malnutrition on health and mental development; and local, national, and international programs for nutritional improvement.

0101	Robert Jackson	Seats (Total: 25)
	TuTh 11:00am - 12:15pm	EGR 1108

NFSC440 **Advanced Human Nutrition**

NFSC440 *(PermReq)* **Advanced Human Nutrition; (4 credits)** Grade Method: REG.
Prerequisite: BCHM462, BSCI440, and NFSC100; and permission of AGNR-Nutrition and Food Science department. A critical study of physiologic, molecular and metabolic influences on utilization of carbohydrates, lipids, proteins, vitamins, macro-and micro-minerals, and nonnutritive components of food. Interactions of these nutrients and food components will be examined relative to maintaining health. Also offered as NFSC678R.

0101	David Lei	Seats (Total: 75)
	TuTh 2:00pm - 3:40pm	PLS 1140

NFSC490 **Special Problems in Nutrition**

NFSC490 *(PermReq)* **Special Problems in Nutrition; (2-3 credits)** Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Scholarship in Practice. Individual Instruction course: contact department or instructor to obtain section number. *Prerequisite: NFSC440; and permission of AGNR-Nutrition and Food Science department.* Individually selected problems in the area of human nutrition.

Contact department for information to register for this course.

NFSC498 **Selected Topics**

NFSC498 *(PermReq)* **Selected Topics; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

NFSC498A **Selected Topics; Individual Study**

NFSC498A *(PermReq)* **Selected Topics: Individual Study; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

NFSC630 **Nutritional Aspects of Energy Balance**

NFSC630 Nutritional Aspects of Energy Balance; (3 credits) Grade Method: REG/AUD.
Formerly: NUTR630. The prevalence and basic causes of caloric imbalance, along with a wide variety of approaches to weight control.

0101	Thomas Castonguay	Seats (Total: 20)
	W 4:00pm - 6:45pm	MMH 3112

NFSC678A **Selected Topics in Nutrition**

NFSC678A Selected Topics in Nutrition; (1-4 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

NFSC678C **Selected Topics in Nutrition; Nutritional Genomics**

NFSC678C Selected Topics in Nutrition: Nutritional Genomics; (3 credits) Grade Method: REG/AUD.
Also offered as NFSC410.

0101	Wen Hsing Cheng Th 4:00pm - 6:45pm	Seats (Total: 20) SKN 0101

NFSC678D **Selected Topics in Nutrition; Diet and Cancer Prevention**

NFSC678D Selected Topics in Nutrition: Diet and Cancer Prevention; (3 credits) Grade Method: REG/AUD.
BCHM461, NFSC100 and NFSC440 or equivalents, or by permission of the ins tructor.

0101	Seong-Ho Lee M 3:00pm - 5:45pm	Seats (Total: 15) MMH 3112

NFSC678R **Selected Topics in Nutrition; Advanced Human Nutrition**

NFSC678R Selected Topics in Nutrition: Advanced Human Nutrition; (4 credits) Grade Method: REG/AUD.
Also offered as NFSC440. Prerequisites: NFSC100, BCHM462, BSCI440, and permission of department.

0101	David Lei TuTh 2:00pm - 3:40pm	Seats (Total: 75) PLS 1140

NFSC679I **Selected Topics in Food Science; Integrated Food Science Topics**

NFSC679I Selected Topics in Food Science: Integrated Food Science Topics; (2 credits) Grade Method: REG.

0101	Yangming Lo F 1:30pm - 3:30pm	Seats (Total: 25) SYM 0118

NFSC679R **Selected Topics in Food Science; Food Safety and Nutrition Risk Assessment**

NFSC679R Selected Topics in Food Science: Food Safety and Nutrition Risk Assessment; (4 credits) Grade Method: REG.

0101	Abani Pradhan MW 11:00am - 11:50am F 11:00am - 1:30pm	Seats (Total: 25) TYD 1101 TYD 0117	 Lab

NFSC690 **Nutrition and Aging**

NFSC690 Nutrition and Aging; (3 credits) Grade Method: REG/AUD. *Prerequisite: NFSC440 or BSCI440; or students who have taken courses with similar or comparable course content may contact the department.* Explore the nutrition needs of older adults and examine the potential impact of the physiological, social and psychological changes that occur with aging on the needs.

0101	Nadine Sahyoun F 10:00am - 12:45pm	Seats (Total: 15) SKN 01011

NFSC699 **Problems in Nutrition and Food Science**

NFSC699 *(PermReq)* **Problems in Nutrition and Food Science; (1-4 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

NFSC735 **Food Toxicology**

NFSC735 Food Toxicology; (3 credits) Grade Method: REG/AUD. *Recommended: Undergraduate human physiology and/or biochemistry course. Restriction: Permission of AGNR-Nutrition and Food Science department.* From farm to fork - this course will discuss major sources and consequences of toxic contaminants and additives in our food. Exposure scenarios will include: naturally occurring toxins (e.g. seafood toxins, phytotoxins, phycotoxins, mycotoxins); contaminants introduced during food production (eg pesticides, antibiotics), contaminants introduced during food preparation (e.g. food additives, bacterial toxins), thermally generated toxins, and storage container toxins (e.g. bisphenol); finally food adulteration toxins will be discussed (e.g. lead, melamine). Also offered as MIEH735.

0101	Paul Turner, Robert Buchanan Th 1:00pm - 3:45pm	Seats (Total: 20) ARC 1103

NFSC799 **Master's Thesis Research**

NFSC799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

NFSC898 **Pre-Candidacy Research**

NFSC898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

NFSC899 **Doctoral Dissertation Research**

NFSC899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PERS Persian Fall 2012

PERS101 **Elementary Persian I**

PERS101 Elementary Persian I; (4 credits) Grade Method: REG/P-F/AUD. *Prerequisite: Must have appropriate Foreign Language Placement Test (FLPT) score. Restriction: Must not be native/fluent speaker of Persian.* Introduction to the alphabet, pronunciation patterns, greetings, basic structures, and other fundamentals, with emphasis on oral and aural skills. Seats will be opened gradually by the Registrar's Office, to a total of 15 seats per section.

0101	Payman Vafaee MTuWF 10:00am - 10:50am	Seats (Total: 15) SQH 1105
0201	Payman Vafaee MWF 11:00am - 11:50am Tu 11:00am - 11:50am	Seats (Total: 15) SQH 2119 SQH 1111

PERS201 **Intermediate Persian I**

PERS201 Intermediate Persian I; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
Prerequisite: PERS102; or Must have appropriate Foreign Language Placement Test (FLPT) score. Restriction: Must not be native/fluent speaker of Persian. Development of speaking, reading, writing, listening and cultural knowledge through wide variety of activities.

0101	Nahal Akbari-Saneh	Seats (Total: 15)
	MWF 1:00pm - 1:50pm	SQH 2114

PERS211 **Intermediate Conversation**

PERS211 Intermediate Conversation; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PERS102; or students who have taken courses with similar or comparable course content may contact the department. Recommended: Concurrent enrollment in PERS201. Development of aural and oral skills in Persian. Various genres and registers of speech. Special focus on contemporary daily life, with use of up-to-date media sources.

0101	Nahal Akbari-Saneh	Seats (Total: 15)
	MWF 2:00pm - 2:50pm	SQH 2117

PERS301 **Advanced Persian I**

PERS301 Advanced Persian I; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PERS202; or permission of ARHU-School of Languages, Literatures, and Cultures department. Restriction: Must not be native/fluent speaker of Persian. Development of speaking, reading, writing, listening and cultural knowledge through wide variety of activities, especially reading.

0101	Ali Abasi	Seats (Total: 15)
	MWF 11:00am - 11:50am	JMZ 3118

PERS371 **Introduction to Persian Literature in Translation**

PERS371 Introduction to Persian Literature in Translation; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Introduction to classical and modern canons of Persian literature in historical, esthetic, and social context. Taught in English.

0101	Fatemeh Keshavarz-Karamustafa	Seats (Total: 30)
	TuTh 2:00pm - 3:15pm	JMZ 0122

PERS398 **Special Topics in Persian Studies**

PERS398 Special Topics in Persian Studies; (1-3 credits) Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PERS399 **Directed Study in Persian**

PERS399 *(PermReq)* **Directed Study in Persian; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PERS401 **Persian Composition**

PERS401 Persian Composition; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: PERS302; or permission of ARHU-School of Languages, Literatures, and Cultures department.* A genre approach to writing, focusing on how and why different texts are structured and written as they are. The purpose, context, and intended audience for written communication will guide the writing tasks conducted in and out of class. Students analyze and investigate a variety of purposes and audiences of particular relevance to Persian flagship students. Taught in Persian.

0101	Ali Abasi	Seats (Total: 15)
	MWF 12:00pm - 12:50pm	JMZ 1124

PERS498 **Special Topics in Persian Studies**

PERS498 *(PermReq)* **Special Topics in Persian Studies; (3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PERS601 **Modern Persian Literature**
Contact department for information to register for this course.

PERS611 **Practicum in Translation and Interpreting**
Contact department for information to register for this course.

PERS641 **Iranian Media and International Relations**
Contact department for information to register for this course.

PERS689B **Special Topics in Persian Studies**
Contact department for information to register for this course.

PERS789 **Independent Study in Persian**

PERS789 Independent Study in Persian; (3 credits) Grade Method: S-F.

PC01	Nahal Akbari-Saneh	Seats (Total: 10)
	Contact instructor or department for details.	

PERS789A **Independent Study in Persian**

PERS789A Independent Study in Persian; (3 credits) Grade Method: S-F.

PC01	Nahal Akbari-Saneh	Seats (Total: 10)
	Contact instructor or department for details.	

PHIL Philosophy Fall 2012

PHIL100 **Introduction to Philosophy**

Click here for fuller PHIL course descriptions.
PHIL100 Introduction to Philosophy; (3 credits) Grade Method: REG/P-F/AUD.
CORE Humanities (HO) Course. GenEd: Distributive Studies - Humanities.
An introduction to the literature, problems, and methods of philosophy either through a study of some of the main figures in philosophic thought or through an examination of some of the central and recurring problems of philosophy.

0101	Dan Moller	Seats (Total: 25)	
	TuTh 11:00am - 11:50am	MMH 1400	
	F 1:00pm - 1:50pm	SKN 1115	Discussion

0102	Dan Moller TuTh 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 25) MMH 1400 PLS 1111	Discussion
0103	Dan Moller TuTh 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 25) MMH 1400 SKN 0104	Discussion
0104	Dan Moller TuTh 11:00am - 11:50am F 1:00pm - 1:50pm	Seats (Total: 25) MMH 1400 MMH 3418	Discussion
0105	Dan Moller TuTh 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 25) MMH 1400 HBK 0103	Discussion
0106	Dan Moller TuTh 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 25) MMH 1400 HBK 0103	Discussion
0201	Elizabeth Picciuto MW 12:00pm - 12:50pm F 1:00pm - 1:50pm	Seats (Total: 23) SKN 0200 SYM 0209	Discussion
0202	Elizabeth Picciuto MW 12:00pm - 12:50pm F 10:00am - 10:50am	Seats (Total: 23) SKN 0200 HBK 0105	Discussion
0203	Elizabeth Picciuto MW 12:00pm - 12:50pm F 12:00pm - 12:50pm	Seats (Total: 23) SKN 0200 ARM 0103	Discussion
0204	Elizabeth Picciuto MW 12:00pm - 12:50pm F 1:00pm - 1:50pm	Seats (Total: 23) SKN 0200 WDS 1130	Discussion
0205	Elizabeth Picciuto MW 12:00pm - 12:50pm F 10:00am - 10:50am	Seats (Total: 23) SKN 0200 HBK 0109	Discussion

0206	Elizabeth Picciuto MW 12:00pm - 12:50pm F 12:00pm - 12:50pm	Seats (Total: 23) SKN 0200 SKN 1115	Discussion

PHIL140 **Contemporary Moral Issues**

PHIL140 Contemporary Moral Issues; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course. GenEd: Distributive Studies - Humanities.
The uses of philosophical analysis in thinking clearly about such widely debated moral issues as abortion, euthanasia, homosexuality, pornography, reverse discrimination, the death penalty, business ethics, sexual equality, and economic justice.

0101	Samuel Kerstein TuTh 9:30am - 10:20am F 10:00am - 10:50am	Seats (Total: 23) SKN 0200 HJP 1125	Discussion
0102	Samuel Kerstein TuTh 9:30am - 10:20am F 12:00pm - 12:50pm	Seats (Total: 23) SKN 0200 TYD 2102	Discussion
0103	Samuel Kerstein TuTh 9:30am - 10:20am F 1:00pm - 1:50pm	Seats (Total: 23) SKN 0200 SKN 1112	Discussion
0104	Samuel Kerstein TuTh 9:30am - 10:20am F 10:00am - 10:50am	Seats (Total: 23) SKN 0200 MTH 0103	Discussion
0105	Samuel Kerstein TuTh 9:30am - 10:20am F 12:00pm - 12:50pm	Seats (Total: 23) SKN 0200 LEF 1201	Discussion
0106	Samuel Kerstein TuTh 9:30am - 10:20am F 1:00pm - 1:50pm	Seats (Total: 23) SKN 0200 JMZ 3203	Discussion
0201	Mark Engelbert MW 12:00pm - 12:50pm F 11:00am - 11:50am	Seats (Total: 23) TYD 0130 SQH 1105	Discussion

0202	Mark Engelbert MW 12:00pm - 12:50pm F 10:00am - 10:50am	Seats (Total: 23) TYD 0130 HBK 1112	 Discussion
0203	Mark Engelbert MW 12:00pm - 12:50pm F 1:00pm - 1:50pm	Seats (Total: 23) TYD 0130 SKN 0104	 Discussion
0204	Mark Engelbert MW 12:00pm - 12:50pm F 11:00am - 11:50am	Seats (Total: 23) TYD 0130 ASY 3207	 Discussion
0205	Mark Engelbert MW 12:00pm - 12:50pm F 10:00am - 10:50am	Seats (Total: 23) TYD 0130 ASY 3219	 Discussion
0206	Mark Engelbert MW 12:00pm - 12:50pm F 1:00pm - 1:50pm	Seats (Total: 23) TYD 0130 TYD 2110	 Discussion
0207	Mark Engelbert MW 12:00pm - 12:50pm F 11:00am - 11:50am	Seats (Total: 23) TYD 0130 SKN 1112	 Discussion
0208	Mark Engelbert MW 12:00pm - 12:50pm F 10:00am - 10:50am	Seats (Total: 23) TYD 0130 MTH 0101	 Discussion
0209	Mark Engelbert MW 12:00pm - 12:50pm F 1:00pm - 1:50pm	Seats (Total: 23) TYD 0130 ARM 0103	 Discussion
FC01	Christopher Vogel MW 6:00pm - 7:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 30) PLS 1113	
FC02	Joel Gibson TuTh 5:00pm - 6:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 30) WDS 0104	

FC03	Dimiter Kirilov TuTh 6:30pm - 7:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 30) MMH 0108	
FC04	Mark Engelbert MW 3:00pm - 4:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 30) ARM 0119	
HSWJ	Mary Wood TuTh 7:35am - 8:50am *Restricted to Young Scholars students. Enrollment by Office of Extended Studies permission only.*	Seats (Total: 35) Location: TBA	

PHIL170 **Introduction to Logic**

PHIL170 Introduction to Logic; (3 credits) Grade Method: REG/P-F/AUD. CORE Mathematics or Formal Reasoning (MS) Course. GenEd: Fundamental Studies - Analytic Reasoning.
Development of analytical reasoning skills through study of formal logics, reasoning systems, and fallacious inference patterns.

0101	Michael Morreau MW 11:00am - 11:50am Th 9:30am - 10:20am	Seats (Total: 25) KEY 0106 PLS 1117	 Discussion
0102	Michael Morreau MW 11:00am - 11:50am Th 11:00am - 11:50am	Seats (Total: 25) KEY 0106 BPS 0283	 Discussion
0103	Michael Morreau MW 11:00am - 11:50am Th 12:30pm - 1:20pm	Seats (Total: 25) KEY 0106 TLF 1101	 Discussion
0104	Michael Morreau MW 11:00am - 11:50am F 12:00pm - 12:50pm	Seats (Total: 25) KEY 0106 SKN 0104	 Discussion
0105	Michael Morreau MW 11:00am - 11:50am F 1:00pm - 1:50pm	Seats (Total: 25) KEY 0106 LEF 1201	 Discussion

0106	Michael Morreau MW 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 25) KEY 0106 TYD 2109	Discussion
0107	Michael Morreau MW 11:00am - 11:50am F 1:00pm - 1:50pm	Seats (Total: 25) KEY 0106 MTH 0302	Discussion
0108	Michael Morreau MW 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 25) KEY 0106 SQH 1101	Discussion
0109	Michael Morreau MW 11:00am - 11:50am F 12:00pm - 12:50pm	Seats (Total: 25) KEY 0106 SQH 1101	Discussion

PHIL209B **Investigating Darwin's Dangerous Idea**

PHIL209B Investigating Darwin's Dangerous Idea; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course. GenEd: Distributive Studies - History and Social Sciences or Distributive Studies - Humanities or Distributive Studies - Scholarship in Practice; Signature Courses - I-Series.
Darwin's revolutionary theory of evolution through natural selection was a scientific and cultural bombshell. This course explores the scientific and philosophical implications of Darwin's theory.

0101	Erin Eaker MW 10:00am - 10:50am F 10:00am - 10:50am	Seats (Total: 23) TYD 2109 SQH 1103	Discussion
0102	Erin Eaker MW 10:00am - 10:50am F 11:00am - 11:50am	Seats (Total: 23) TYD 2109 MTH B0429	Discussion
0103	Erin Eaker MW 10:00am - 10:50am F 1:00pm - 1:50pm	Seats (Total: 23) TYD 2109 WDS 1114	Discussion

PHIL209I **Philosophical Issues: Spooky Action at a Distance: Where Physics meets Metaphysics**

PHIL209I Philosophical Issues: Spooky Action at a Distance: Where Physics meets Metaphysics; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course. GenEd: Distributive Studies - Humanities; Signature Courses - I-Series.
Quantum theory is at the heart of modern physics, but physicists and philosophers are still grappling with how best to understand it. Spooky Action at a Distance will introduce students to one crucial part of the puzzle: Does quantum mechanics allow for what Einstein called "spooky action at a distance?" The course will be accessible to students with no technical background and will draw on the history of physics and philosophy as well as contemporary essays to give students a window on a profound and hotly debated question.

FC01	Allen Stairs Tu 3:30pm - 4:45pm Class time/details on ELMs *Restricted to students in Freshmen Connection.*	Seats (Total: 30) KEY 0103 ONLINE	

PHIL209N **Know Thyself: Wisdom Through Cognitive Science**

PHIL209N Know Thyself: Wisdom Through Cognitive Science; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course. GenEd: Distributive Studies - History and Social Sciences or Distributive Studies - Humanities; Signature Courses - I-Series.
Cognitive science demonstrates that self-knowledge isn't as easy as we think, and that there are numerous biases and fallacies that impact our decision-making. In this course you will learn what some of these are and how they have been discovered, and you will explore potential strategies for avoiding these fallacies and for making wiser choices.

0101	Peter Carruthers MW 1:00pm - 1:50pm F 10:00am - 10:50am	Seats (Total: 23) TYD 1101 SQH 1119	Discussion
0102	Peter Carruthers MW 1:00pm - 1:50pm F 11:00am - 11:50am	Seats (Total: 23) TYD 1101 SQH 1119	Discussion
0103	Peter Carruthers MW 1:00pm - 1:50pm F 1:00pm - 1:50pm	Seats (Total: 23) TYD 1101 ARM 0119	Discussion

PHIL209T **It's About Time**

PHIL209T It's About Time; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course. GenEd: Distributive Studies - Humanities; Signature Courses - I-Series.
St. Augustine remarked that when no one asks him what time is, he knows; when someone asks him to explain, he doesn't. This course will explore our understanding of time using sources from science, philosophy and the arts.

0101	Allen Stairs TuTh 11:00am - 11:50am M 10:00am - 10:50am	Seats (Total: 23) CCC 1111 TLF 1101	 Discussion
0102	Allen Stairs TuTh 11:00am - 11:50am M 11:00am - 11:50am	Seats (Total: 23) CCC 1111 LEF 1201	 Discussion
0103	Allen Stairs TuTh 11:00am - 11:50am M 1:00pm - 1:50pm	Seats (Total: 23) CCC 1111 SKN 1112	 Discussion

PHIL230 **Philosophy of the Arts**

PHIL230 Philosophy of the Arts; (3 credits) Grade Method: REG/P-F/AUD. CORE History or Theory of Arts (HA) Course. GenEd: Distributive Studies - Humanities.
A survey of theoretical perspectives on the arts from Plato to the present, along with critical examination of specific works of art. Analysis of concepts central to thought about art, such as beauty, form, content, expression, representation, interpretation, creation, style, medium, realism, aesthetic experience, and aesthetic value.

0101	Jerrold Levinson MW 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 23) TYD 2106 COL 0113	 Discussion
0102	Jerrold Levinson MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 23) TYD 2106 COL 0113	 Discussion
0103	Jerrold Levinson MW 11:00am - 11:50am F 1:00pm - 1:50pm	Seats (Total: 23) TYD 2106 COL 0113	 Discussion

PHIL236 **Philosophy of Religion**

PHIL236 Philosophy of Religion; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course. GenEd: Distributive Studies - Humanities.
Also offered as: RELS236. Credit only granted for: PHIL236 or RELS236. A philosophical study of some of the main problems of religious thought: the nature of religious experience, the justification of religious belief, the conflicting claims of religion and science, and the relation between religion and morality.

0101	Dimiter Kirilov MW 1:00pm - 1:50pm F 10:00am - 10:50am	Seats (Total: 23) TYD 2106 LEF 2208	 Discussion
0102	Dimiter Kirilov MW 1:00pm - 1:50pm F 12:00pm - 12:50pm	Seats (Total: 23) TYD 2106 MTH 0102	 Discussion
0103	Dimiter Kirilov MW 1:00pm - 1:50pm F 1:00pm - 1:50pm	Seats (Total: 23) TYD 2106 MTH 0102	 Discussion

PHIL256 **Philosophy of Biology I**

PHIL256 Philosophy of Biology I; (3 credits) Grade Method: REG/AUD. CORE Humanities (HO) Course. GenEd: Distributive Studies - Humanities.
Issues in the discovery and justification of biological theories and models. Focus on cases from twentieth century biology, such as the genetic revolution or evolutionary theory.

0101	Lindley Darden TuTh 3:30pm - 4:45pm	Seats (Total: 30) SKN 1115	

PHIL308C **Studies in Contemporary Philosophy; Africana Philosophy**

PHIL308C Studies in Contemporary Philosophy: Africana Philosophy; (3 credits) Grade Method: REG/P-F/AUD.
Africana philosophy refers to critical reflection by people identified as Africans through conquest and colonization upon concepts, arguments and theories born of their experiences of slavery, colonization, and racialization. Topics include the nature of race, colonialism, liberatio n and the self-proclaimed moral and epistemological superiority of Europ ean civilization.

0101	James Maffie MW 2:00pm - 3:15pm	Seats (Total: 23) KEY 0124	

PHIL308S **Studies in Contemporary Philosophy; Voting Theory and Fair Division**

PHIL308S Studies in Contemporary Philosophy: Voting Theory and Fair Division; (3 credits) Grade Method: REG/P-F/AUD.
Six hours of philosophy or permission of the instructor.

0101	Eric Pacuit TuTh 4:30pm - 5:45pm	Seats (Total: 30) SKN 1112	

PHIL310 **Ancient Philosophy**

PHIL310 Ancient Philosophy; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Must have completed 6 credits in philosophy or classics. A study of the origins and development of philosophy and science in ancient Greece, focusing on the pre-Socratics, Socrates, Plato, and Aristotle.

0101	David McElhoes TuTh 2:00pm - 2:50pm M 10:00am - 10:50am	Seats (Total: 23) TYD 0117 LEF 1220	 Discussion
0102	David McElhoes TuTh 2:00pm - 2:50pm M 12:00pm - 12:50pm	Seats (Total: 23) TYD 0117 TYD 2108	 Discussion
0103	David McElhoes TuTh 2:00pm - 2:50pm M 1:00pm - 1:50pm	Seats (Total: 23) TYD 0117 LEF 1201	 Discussion

PHIL332 **Philosophy of Beauty**

PHIL332 Philosophy of Beauty; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: 3 courses in PHIL; or permission of ARHU-Philosophy department. Philosophical theories, historical and contemporary, of beauty, sublimity, and other aesthetic qualities, of aesthetic experience, and of aesthetic judgment.

0101	John Brown TuTh 9:30am - 10:45am	Seats (Total: 33) SKN 1115	

PHIL341 **Ethical Theory**

PHIL341 Ethical Theory; (3 credits) Grade Method: REG.
Prerequisite: 6 credits in PHIL courses. Restriction: Junior standing or higher. A critical examination of classical and contemporary systems of ethics, such as those of Aristotle, Kant, Mill, and Rawls.

0101	Patricia Greenspan TuTh 12:30pm - 1:20pm F 10:00am - 10:50am	Seats (Total: 23) TYD 0117 MTH 0105	 Discussion
0102	Patricia Greenspan TuTh 12:30pm - 1:20pm F 12:00pm - 12:50pm	Seats (Total: 23) TYD 0117 JMZ 0125	 Discussion
0103	Patricia Greenspan TuTh 12:30pm - 1:20pm F 1:00pm - 1:50pm	Seats (Total: 23) TYD 0117 ARM 0101	 Discussion

PHIL347 **Philosophy of Law**

PHIL347 Philosophy of Law; (3 credits) Grade Method: REG/P-F/AUD.
Credit only granted for: PHIL347 or PHIL447. Formerly: PHIL447. Examination of fundamental concepts related to law, e.g. legal systems, law and morality, justice, legal reasoning, responsibility.

0101	James Taggart TuTh 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 23) JMZ 0105 MTH 0411	 Discussion

0102	James Taggart TuTh 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 23) JMZ 0105 ARM 0119	Discussion
0103	James Taggart TuTh 11:00am - 11:50am F 1:00pm - 1:50pm	Seats (Total: 23) JMZ 0105 ARM 0121	Discussion

PHIL360 **Philosophy of Language**

PHIL360 Philosophy of Language; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: 2 courses in PHIL; and (PHIL170 or PHIL370). Or permission of ARHU-Philosophy department. Also offered as: LING350. Credit only granted for: LING350 or PHIL360.* An inquiry into the nature and function of language and other forms of symbolism.

0101	Alexander Williams TuTh 9:30am - 10:45am	Seats (Total: 30) SKN 1112

PHIL364 **Metaphysics**

PHIL364 Metaphysics; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: 6 credits in PHIL courses. Formerly: PHIL464.* The study of some central metaphysical concepts and issues including the nature and validity of metaphysical thinking, universals, identity, substance, time, God, and reality.

0101	Michael Morreau MW 2:00pm - 3:15pm	Seats (Total: 30) SKN 1112

PHIL370 **Symbolic Logic**

PHIL370 Symbolic Logic; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: PHIL170 or CMSC250; or permission of ARHU-Philosophy department. Credit only granted for: PHIL271, PHIL370, or PHIL371.* A review of propositional and predicate logic and related topics and an introduction to the semantics and metatheory of first-order logic.

0101	Eric Pacuit TuTh 2:00pm - 3:15pm	Seats (Total: 30) MMH 1304

PHIL386 **Experiential Learning**

PHIL386 *(PermReq)* **Experiential Learning; (6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Restriction: Permission of ARHU-Philosophy department; and Junior standing or higher. Consult Director of Undergraduate Studies: C. Manekin. Prerequisites: 12 credit hours of philosophy and 3.0 GPA. Carries no credit toward philosophy major.

Contact department for information to register for this course.

PHIL408D **Topics in Contemporary Philosophy; Capitalism and Justice**

PHIL408D Topics in Contemporary Philosophy: Capitalism and Justice; (3 credits) Grade Method: REG/P-F/AUD.
Six hours of philosophy or permission of the instructor.

0101	Dan Moller	Seats (Total: 25)	
	TuTh 2:00pm - 3:15pm	SKN 1112	

PHIL408M **Topics in Contemporary Philosophy; philosophy of music**

PHIL408M Topics in Contemporary Philosophy: philosophy of music; (3 credits) Grade Method: REG/P-F/AUD.
Six hours of philosophy or permission of the instructor.

0101	Jerrold Levinson	Seats (Total: 25)	
	MW 2:00pm - 3:15pm	SKN 1115	

PHIL408N **Topics in Contemporary Philosophy; Necessity and Possibility**

PHIL408N Topics in Contemporary Philosophy: Necessity and Possibility; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Two course in philosophy; one of which is PHIL170 (or some symbolic logic course).

0101	Erin Eaker	Seats (Total: 25)	
	MW 1:00pm - 1:50pm	SKN 1115	
	Class time/details on ELMs	ONLINE	Discussion

PHIL408S **Topics in Contemporary Philosophy; Social Epistemology**

PHIL408S Topics in Contemporary Philosophy: Social Epistemology; (3 credits)
Grade Method: REG/P-F/AUD.
Six hours of philosophy or permission of the instructor.

0101	Aidan Lyon	Seats (Total: 25)
	M 3:30pm - 6:00pm	SKN 1112

PHIL412 **The Philosophy of Plato**

PHIL412 The Philosophy of Plato; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: 9 credits in PHIL courses. A critical study of selected dialogues.

0101	Quinn Harr	Seats (Total: 25)
	TuTh 11:00am - 12:15pm	SKN 1112

PHIL428K **Topics in the History of Philosophy; Kantian Ethics**

PHIL428K Topics in the History of Philosophy: Kantian Ethics; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Five course in philosophy; at least two of the five at the 300-level or above.

0101	Samuel Kerstein	Seats (Total: 25)
	TuTh 12:30pm - 1:45pm	SKN 1115

PHIL498C **Topical Investigations; The Philosophy of China and Japan**
Contact department for information to register for this course.

PHIL498F **Topical Investigations; Topical Investigation**

PHIL498F *(PermReq)* **Topical Investigations: Topical Investigation; (1-3 credits)**
Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite:Two courses in philosophy or permission of the department.

Contact department for information to register for this course.

PHIL498G **Topical Investigations; Topical Investigation**

PHIL498G *(PermReq)* **Topical Investigations: Topical Investigation; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite:Two courses in philosophy or permission of the department.

Contact department for information to register for this course.

PHIL498K **Topical Investigations; Knowledge, Will and Power**
Contact department for information to register for this course.

PHIL498P **Topical Investigations; The Philosophy of Philosophy**
Contact department for information to register for this course.

PHIL660 **Metaphysics, Mind, and Language**

PHIL660 Metaphysics, Mind, and Language; (3 credits) Grade Method: REG/AUD. *Prerequisite: Graduate status in philosophy or permission of department.* A basic course on selected issues in metaphysics, philosophy of mind, and philosophy of language for beginning graduate students, covering a number of topics in depth, to provide a springboard for further study and research in the area. Graduate standing in the Philosophy Department or permission of the inst ructor.

0101	Paul Pietroski	Seats (Total: 15)
	M 2:00pm - 4:30pm	SKN 1116

PHIL788G **Research in Philosophy; Research in Philosophy**

PHIL788G *(PermReq)* **Research in Philosophy: Research in Philosophy; (1-6 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PHIL788I **Research in Philosophy; Research in Philosophy**

PHIL788I *(PermReq)* **Research in Philosophy: Research in Philosophy; (1-6 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PHIL799 **Master's Thesis Research; Masters Thesis Research**

PHIL799 Master's Thesis Research: Masters Thesis Research; (1-6 credits)
Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PHIL848M **Seminar in Ethics**

PHIL848M Seminar in Ethics; (3 credits) Grade Method: REG/AUD.
Graduate standing in the Philosophy Department or permission of the inst ructor.

0101	Patricia Greenspan	Seats (Total: 15)
	Tu 3:30pm - 6:00pm	SKN 1116

PHIL858A **Seminar in Logic and Philosophy of Sciences**

PHIL858A Seminar in Logic and Philosophy of Sciences; (3 credits) Grade Method: REG/AUD.
Graduate standing in the Philosophy Department or permission of the inst ructor.

0101	John Horty	Seats (Total: 15)
	Th 2:00pm - 4:30pm	SKN 1116

PHIL858B **Seminar in Logic and Philosophy of Sciences**

PHIL858B Seminar in Logic and Philosophy of Sciences; (3 credits) Grade Method: REG/AUD.
Graduate standing in the Philosophy Department or permission of the inst ructor.

0101	Michael Morreau	Seats (Total: 15)
	Tu 12:00pm - 2:30pm	SKN 1116

PHIL878C **Seminar in Cognitive Studies**

PHIL878C Seminar in Cognitive Studies; (3-9 credits) Grade Method: REG/AUD.
Graduate standing in the Philosophy Department or permission of the inst ructor.

0101	Peter Carruthers	Seats (Total: 15)
	M 4:30pm - 7:00pm	SKN 1116

PHIL888 **Professional Mentoring for Doctoral Students**

PHIL888 Professional Mentoring for Doctoral Students; (1-3 credits) Grade Method: S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PHIL889 **Pedagogical Mentoring for Doctoral Students**

PHIL889 *(PermReq)* **Pedagogical Mentoring for Doctoral Students; (1-3 credits)** Grade Method: S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PHIL898 **Pre-Candidacy Research**

PHIL898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PHIL899 **Doctoral Dissertation Research; Doctoral Dissertation Research**

PHIL899 *(PermReq)* **Doctoral Dissertation Research: Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PHYS Physics Fall 2012

PHYS102 **Physics of Music**

PHYS102 Physics of Music; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Natural Science Lab(if taken with PHYS103).
Prerequisite: Must have math eligibility of MATH110 or higher. Credit only granted for: PHYS102 and PHYS499C. Additional information: CORE Distributive Studies Physical Sciences Laboratory Course only when taken concurrently with PHYS103. A study of the physical basis of sound, acoustical properties of sound, the human ear and voice, reproduction of sound, electronic music, acoustical properties of auditoriums, and other selected topics.

0101	Alan Peel TuTh 9:30am - 10:45am	Seats (Total: 150) PHY 1410	

PHYS103 **Physics of Music Laboratory**

PHYS103 Physics of Music Laboratory; (1 credit) Grade Method: REG/P-F/AUD. *CORE Distributive Studies Physical Sciences Laboratory Course only when taken concurrently with PHYS 102. Pre- or corequisite: PHYS102. Credit not applicable towards the minimum requirements for a major in physics and astronomy.* Optional laboratory to accompany PHYS 102. Laboratory experiments, including the velocity of sound, sound quality and wave shape, traveling and standing waves, fourier synthesis and analysis, musical synthesizer, psychoacoustics, and audio equipment.

0101	Oscar Greenberg Th 11:00am - 12:50pm	Seats (Total: 15) PHY 3213	Lab
0201	Oscar Greenberg Th 1:00pm - 2:50pm	Seats (Total: 15) PHY 3213	Lab
0301	Oscar Greenberg Th 3:30pm - 5:20pm	Seats (Total: 15) PHY 3213	Lab
0401	Oscar Greenberg F 10:00am - 11:50am *Recommended for First-Year students.*	Seats (Total: 15) PHY 3213	Lab
0501	Oscar Greenberg F 12:00pm - 1:50pm	Seats (Total: 15) PHY 3213	Lab
0601	Oscar Greenberg F 2:00pm - 3:50pm	Seats (Total: 15) PHY 3213	Lab
0701	Oscar Greenberg W 3:00pm - 5:00pm	Seats (Total: 15) PHY 3213	Lab
0801	Oscar Greenberg W 1:00pm - 2:50pm	Seats (Total: 15) PHY 3213	Lab

PHYS105 **Physics for Decision Makers: Global Energy Crisis**

PHYS105 Physics for Decision Makers: Global Energy Crisis; (3 credits) Grade Method: REG/P-F/AUD. CORE Physical Science (PS) Course. GenEd: Distributive Studies - Natural Sciences; Signature Courses - I-Series.
This marquee course will consider the global energy crisis from a scientific perspective. Topics include basic laws of energy and thermodynamics, their effects on energy production and distribution, greenhouse gas, global warming and policy options for decision makers. This course is aimed at the non-science major.
A Marquee Science and Technology Course designed for Non-Science Majors: http://www.marqueecourses.umd.edu/* Click here for more Marquee course information.

0101	Steven Rolston TuTh 12:30pm - 1:45pm M 12:00pm - 12:50pm	Seats (Total: 20) PHY 1201 PHY 0405	 Discussion
0102	Steven Rolston TuTh 12:30pm - 1:45pm M 1:00pm - 1:50pm	Seats (Total: 20) PHY 1201 PHY 0405	 Discussion
0104	Steven Rolston TuTh 12:30pm - 1:45pm F 12:00pm - 12:50pm	Seats (Total: 20) PHY 1201 PHY 1219	 Discussion
0105	Steven Rolston TuTh 12:30pm - 1:45pm F 2:00pm - 2:50pm	Seats (Total: 20) PHY 1201 PHY 1219	 Discussion

PHYS111 **Physics in the Modern World**
Contact department for information to register for this course.

PHYS115 **Inquiry into Physics**

PHYS115 Inquiry into Physics; (4 credits) Grade Method: REG/P-F/AUD. CORE Physical Science Lab (PL) Course. GenEd: Distributive Studies - Natural Science Lab. *Recommended: High School Physics. Restriction: Must not have completed PHYS117; and must be in one of the following programs (Elementary Education; Early Childhood Education). Credit only granted for: PHYS115 or PHYS117.* Intended for students majoring in neither the physical nor the biological sciences. Use of laboratory-based and inquiry-based methods to study some of the basic ideas of physical sciences.

0101	Matthew Bobrowsky MTuW 2:00pm - 4:00pm	Seats (Total: 20) PHY 3316	 Lab
0201	Suresh Tonwar MTuW 10:00am - 11:50am	Seats (Total: 20) PHY 3316	 Lab

PHYS121 **Fundamentals of Physics I**

PHYS121 Fundamentals of Physics I; (4 credits) Grade Method: REG/P-F/AUD. CORE Physical Science Lab (PL) Course. GenEd: Distributive Studies - Natural Science Lab.
Prerequisite: MATH112 or MATH115. Credit only granted for: PHYS121 or PHYS131. The first part of a two-semester course in general physics treating the fields of mechanics, heat, sound, electricity, magnetism, optics, and modern physics. Together with PHYS122, this generally satisfies the minimum requirement of medical and dental schools. Physics clinic, PHY 1214, MTWHF 11,1. If purchasing used books additional software may be required. Students must pay a $50.00 laboratory materials fee.

0101	Peter Shawhan MWF 10:00am - 10:50am W 5:00pm - 6:50pm W 4:00pm - 4:50pm	Seats (Total: 24) PHY 1412 PHY 3312 PHY 3312	 Lab Discussion
0102	Peter Shawhan MWF 10:00am - 10:50am M 4:00pm - 5:50pm M 3:00pm - 3:50pm	Seats (Total: 24) PHY 1412 PHY 3312 PHY 3301	 Lab Discussion
0103	Peter Shawhan MWF 10:00am - 10:50am Tu 11:00am - 12:50pm Tu 10:00am - 10:50am	Seats (Total: 24) PHY 1412 PHY 3312 PHY 3301	 Lab Discussion
0104	Peter Shawhan MWF 10:00am - 10:50am Tu 1:00pm - 2:50pm Tu 12:00pm - 12:50pm	Seats (Total: 24) PHY 1412 PHY 3312 PHY 3301	 Lab Discussion

0105	Peter Shawhan	Seats (Total: 24)	
	MWF 10:00am - 10:50am W 1:00pm - 2:50pm W 12:00pm - 12:50pm	PHY 1412 PHY 3312 PHY 3301	 Lab Discussion
0106	Peter Shawhan	Seats (Total: 24)	
	MWF 10:00am - 10:50am Th 9:00am - 10:50am Th 8:00am - 8:50am	PHY 1412 PHY 3312 PHY 3301	 Lab Discussion
0107	Peter Shawhan	Seats (Total: 24)	
	MWF 10:00am - 10:50am M 12:00pm - 1:50pm M 11:00am - 11:50am	PHY 1412 PHY 3312 PHY 3301	 Lab Discussion
0108	Peter Shawhan	Seats (Total: 23)	
	MWF 10:00am - 10:50am Th 1:00pm - 3:00pm Th 12:00pm - 12:50pm	PHY 1412 PHY 3312 PHY 3301	 Lab Discussion
0109	Peter Shawhan	Seats (Total: 24)	
	MWF 10:00am - 10:50am W 8:00am - 9:50am M 4:00pm - 4:50pm	PHY 1412 PHY 3312 PHY 3301	 Lab Discussion
0201	Sergio Picozzi	Seats (Total: 24)	
	MWF 12:00pm - 12:50pm M 10:00am - 11:50am M 9:00am - 9:50am	PHY 1412 PHY 3312 PHY 3301	 Lab Discussion
0202	Sergio Picozzi	Seats (Total: 24)	
	MWF 12:00pm - 12:50pm M 2:00pm - 3:50pm M 1:00pm - 1:50pm	PHY 1412 PHY 3312 PHY 3301	 Lab Discussion
0203	Sergio Picozzi	Seats (Total: 24)	
	MWF 12:00pm - 12:50pm Tu 9:00am - 10:50am Tu 8:00am - 8:50am	PHY 1412 PHY 3312 PHY 3301	 Lab Discussion

0204	Sergio Picozzi	Seats (Total: 24)	
	MWF 12:00pm - 12:50pm	PHY 1412	
	Tu 3:00pm - 4:50pm	PHY 3312	Lab
	Tu 2:00pm - 2:50pm	PHY 3301	Discussion
0205	Sergio Picozzi	Seats (Total: 23)	
	MWF 12:00pm - 12:50pm	PHY 1412	
	W 10:00am - 11:50am	PHY 3312	Lab
	W 9:00am - 9:50am	PHY 3301	Discussion
0206	Sergio Picozzi	Seats (Total: 24)	
	MWF 12:00pm - 12:50pm	PHY 1412	
	W 3:00pm - 4:50pm	PHY 3312	Lab
	W 1:00pm - 1:50pm	PHY 3301	Discussion
0207	Sergio Picozzi	Seats (Total: 24)	
	MWF 12:00pm - 12:50pm	PHY 1412	
	Th 11:00am - 12:50pm	PHY 3312	Lab
	Th 10:00am - 10:50am	PHY 3301	Discussion
0208	Sergio Picozzi	Seats (Total: 24)	
	MWF 12:00pm - 12:50pm	PHY 1412	
	Th 3:00pm - 4:50pm	PHY 3312	Lab
	Th 2:00pm - 2:50pm	PHY 3301	Discussion
0401	David Buehrle	Seats (Total: 24)	
	Tu 7:00pm - 8:50pm	PHY 1412	
	Th 6:30pm - 7:20pm	PHY 1412	
	M 8:00pm - 9:50pm	PHY 3312	Lab
	W 6:30pm - 7:20pm	PHY 3301	Discussion
0402	David Buehrle	Seats (Total: 24)	
	Tu 7:00pm - 8:50pm	PHY 1412	
	Th 6:30pm - 7:20pm	PHY 1412	
	W 7:30pm - 9:20pm	PHY 3312	Lab
	M 6:30pm - 7:20pm	PHY 3301	Discussion
0403	David Buehrle	Seats (Total: 24)	
	Tu 7:00pm - 8:50pm	PHY 1412	
	Th 6:30pm - 7:20pm	PHY 1412	
	Tu 5:00pm - 6:50pm	PHY 3312	Lab
	Th 7:30pm - 8:20pm	PHY 3301	Discussion

0404	David Buehrle	Seats (Total: 24)	
	Tu 7:00pm - 8:50pm	PHY 1412	
	Th 6:30pm - 7:20pm	PHY 1412	
	M 6:00pm - 7:50pm	PHY 3312	Lab
	M 5:00pm - 5:50pm	PHY 3301	Discussion
0405	David Buehrle	Seats (Total: 1)	
	Tu 7:00pm - 8:50pm	PHY 1412	
	Th 6:30pm - 7:20pm	PHY 1412	
	Th 7:30pm - 9:20pm	PHY 3312	Lab
	Tu 6:00pm - 6:50pm	PHY 3301	Discussion
SEF1	David Buehrle	Seats (Total: 23)	
	Tu 7:00pm - 8:50pm	PHY 1412	
	Th 6:30pm - 7:20pm	PHY 1412	
	Th 7:30pm - 9:20pm	PHY 3312	Lab
	Tu 6:00pm - 6:50pm	PHY 3301	Discussion
	This section is restricted to students in the Science in Evening progra . Click here for complete program details including program eligibility information, tuition and fee information and registration instructions.		
SG91	George Sherwood	Seats (Total: 24)	
	TuTh 9:30am - 10:45am	BLD2 2062	
	F 2:00pm - 4:50pm	Location: TBA	Lab
	F 1:00pm - 1:50pm	Location: TBA	Discussion
	Registration is restricted to Biological Sciences-Shady Grove majors. Permission is required for all other students to enroll in courses at Shady Grove. Please email usgbioscie@umd.edu for permission.		

PHYS122 **Fundamentals of Physics II**

PHYS122 Fundamentals of Physics II; (4 credits) Grade Method: REG/P-F/AUD. CORE Physical Science Lab (PL) Course. GenEd: Distributive Studies - Natural Science Lab.
Prerequisite: PHYS121; or students who have taken courses with similar or comparable course content may contact the department. A continuation of PHYS121, which together with it, generally satisfies the minimum requirement of medical and dental schools. Physics clinic, PHY 1214, MTWHF 12,2. If purchasing used books additional software may be required. Students must pay a $50.00 laboratory materials fee.

0101	Sergio Picozzi	Seats (Total: 26)	
	MWF 1:00pm - 1:50pm	PHY 1410	
	M 4:00pm - 5:50pm	PHY 3306	Lab
	M 3:00pm - 3:50pm	MTH 0405	Discussion
0102	Sergio Picozzi	Seats (Total: 26)	
	MWF 1:00pm - 1:50pm	PHY 1410	
	Tu 10:00am - 11:50am	PHY 3306	Lab
	Tu 9:00am - 9:50am	MTH 0405	Discussion
0103	Sergio Picozzi	Seats (Total: 26)	
	MWF 1:00pm - 1:50pm	PHY 1410	
	Tu 12:00pm - 1:50pm	PHY 3306	Lab
	Tu 11:00am - 11:50am	CHM 0124	Discussion
0104	Sergio Picozzi	Seats (Total: 26)	
	MWF 1:00pm - 1:50pm	PHY 1410	
	Tu 2:00pm - 3:50pm	PHY 3306	Lab
	Tu 1:00pm - 1:50pm	MTH 0102	Discussion
0105	Sergio Picozzi	Seats (Total: 26)	
	MWF 1:00pm - 1:50pm	PHY 1410	
	Tu 4:00pm - 5:50pm	PHY 3306	Lab
	Th 4:00pm - 4:50pm	PHY 1204	Discussion
0106	Sergio Picozzi	Seats (Total: 26)	
	MWF 1:00pm - 1:50pm	PHY 1410	
	Th 4:00pm - 5:50pm	PHY 3306	Lab
	Tu 4:00pm - 4:50pm	PHY 1204	Discussion
0201	Ki-Yong Kim	Seats (Total: 26)	
	TuTh 12:30pm - 1:45pm	PHY 1412	
	W 11:00am - 12:50pm	PHY 3306	Lab
	W 9:00am - 9:50am	PHY 1219	Discussion
0202	Ki-Yong Kim	Seats (Total: 26)	
	TuTh 12:30pm - 1:45pm	PHY 1412	
	M 12:00pm - 1:50pm	PHY 3306	Lab
	M 10:00am - 10:50am	PHY 0405	Discussion

0203	Ki-Yong Kim	Seats (Total: 26)	
	TuTh 12:30pm - 1:45pm Th 9:00am - 10:50am Th 8:00am - 8:50am	PHY 1412 PHY 3306 PHY 1219	 Lab Discussion
0204	Ki-Yong Kim	Seats (Total: 26)	
	TuTh 12:30pm - 1:45pm W 3:00pm - 4:50pm W 2:00pm - 2:50pm	PHY 1412 PHY 3306 PHY 0405	 Lab Discussion
0205	Ki-Yong Kim	Seats (Total: 25)	
	TuTh 12:30pm - 1:45pm M 2:00pm - 3:50pm W 1:00pm - 1:50pm	PHY 1412 PHY 3306 MTH 0101	 Lab Discussion
0401	Sergio Picozzi	Seats (Total: 12)	
	MW 6:00pm - 7:15pm M 7:30pm - 9:20pm W 7:30pm - 8:20pm	PHY 1201 PHY 3306 PHY 1204	 Lab Discussion
SEF1	Sergio Picozzi	Seats (Total: 9)	
	MW 6:00pm - 7:15pm M 7:30pm - 9:20pm W 7:30pm - 8:20pm	PHY 1201 PHY 3306 PHY 1204	 Lab Discussion
	This section is restricted to students who enroll through the Science i Evening program and may not be added on Testudo. Click here for complete program details including program eligibility information, tuition and fee information and registration instructions.		

PHYS131 **Fundamentals of Physics for Life Sciences I**

PHYS131 Fundamentals of Physics for Life Sciences I; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MATH130, MATH131, BSCI105, BSCI106, and CHEM131; or students who have taken courses with similar or comparable course content may contact the department. Credit only granted for: PHYS121 or PHYS131. The first part of a two-semester course in general physics specifically oriented towards applications relevant for students in biology and pre-medical programs. The course covers basic mechanics including forces and energy, properties of matter, and thermodynamics done in authentic biological contexts. Students must pay a $50.00 laboratory materials fee.

0101	Edward Redish	Seats (Total: 24)	
	MWF 10:00am - 10:50am	PHY 1219	
	Tu 10:00am - 11:50am	PHY 3310	Lab
	Tu 9:00am - 9:50am	PHY 3310	Discussion
0201	Wolfgang Losert	Seats (Total: 24)	
	MWF 11:00am - 11:50am	PHY 1219	
	Tu 2:00pm - 3:50pm	PHY 3310	Lab
	Tu 1:00pm - 1:50pm	PHY 3310	Discussion

PHYS141 **Principles of Physics**

PHYS141 Principles of Physics; (4 credits) Grade Method: REG/P-F/AUD. CORE Physical Science Lab (PL) Course. GenEd: Distributive Studies - Natural Science Lab. *Corequisite: Concurrently enrolled in MATH141; or concurrently enrolled in MATH221.* The first of a two-semester series in general physics. The first semester covers the fields of mechanics, thermodynamics, and special relativity. This survey course will use calculus and is recommended for chemistry and zoology majors. It also satisfies the requirements of medical and dental schools. Physics clinics, PHY 1214, MTWHF 10,12. If purchasing used books additional software may be required.

0102	Sharon Roosevelt	Seats (Total: 24)	
	MWF 11:00am - 11:50am	PHY 1410	
	M 4:00pm - 5:50pm	PHY 3314	Lab
	M 3:00pm - 3:50pm	CHM 0124	Discussion
0103	Sharon Roosevelt	Seats (Total: 24)	
	MWF 11:00am - 11:50am	PHY 1410	
	Tu 9:00am - 10:50am	PHY 3314	Lab
	Tu 8:00am - 8:50am	PHY 1219	Discussion
0105	Sharon Roosevelt	Seats (Total: 24)	
	MWF 11:00am - 11:50am	PHY 1410	
	Tu 2:00pm - 3:50pm	PHY 3314	Lab
	Tu 1:00pm - 1:50pm	PHY 0405	Discussion

PHYS161 **General Physics: Mechanics and Particle Dynamics**

PHYS161 General Physics: Mechanics and Particle Dynamics; (3 credits) Grade Method: REG/P-F/AUD. CORE Physical Science (PS) Course. GenEd: Distributive Studies - Natural Sciences.
Prerequisite: Completed or be concurrently enrolled in MATH141. First semester of a three-semester calculus-based general physics course. Laws of motion, force, and energy; principles of mechanics, collisions, linear momentum, rotation, and gravitation. Physics clinic, PHY 1214, MTWHF 11, 2. If purchasing used books additional software may be required.

0101	Darayash Tata MWF 3:00pm - 3:50pm Tu 3:00pm - 3:50pm	Seats (Total: 35) PHY 1410 PHY 1402	 Discussion
0103	Darayash Tata MWF 3:00pm - 3:50pm F 10:00am - 10:50am	Seats (Total: 35) PHY 1410 CHM 1224	 Discussion
0104	Darayash Tata MWF 3:00pm - 3:50pm F 11:00am - 11:50am	Seats (Total: 35) PHY 1410 PHY 0405	 Discussion
0201	Darayash Tata TuTh 11:00am - 12:15pm Th 8:00am - 8:50am	Seats (Total: 35) PHY 1410 PHY 0405	 Discussion
0202	Darayash Tata TuTh 11:00am - 12:15pm Tu 2:00pm - 2:50pm	Seats (Total: 35) PHY 1410 PHY 1204	 Discussion
0203	Darayash Tata TuTh 11:00am - 12:15pm W 3:00pm - 3:50pm	Seats (Total: 35) PHY 1410 PHY 1204	 Discussion
0301	Sergio Picozzi MWF 10:00am - 10:50am Th 3:00pm - 3:50pm	Seats (Total: 35) PHY 1410 PHY 1204	 Discussion
0302	Sergio Picozzi MWF 10:00am - 10:50am Tu 4:00pm - 4:50pm	Seats (Total: 35) PHY 1410 PHY 1219	 Discussion

0303	Sergio Picozzi MWF 10:00am - 10:50am W 12:00pm - 12:50pm	Seats (Total: 35) PHY 1410 PHY 0405	 Discussion

PHYS170 **Professional Physics Seminar**

PHYS170 Professional Physics Seminar; (1 credit) Grade Method: REG/P-F/AUD. *Corequisite: Concurrently enrolled in MATH140.* Provides a look at some of the major developments of current interest in physics research and discusses the activities physicists undertake in research, education, industry, government, and other areas of the economy.

0101	Robert Park W 12:00pm - 12:50pm	Seats (Total: 13) PHY 1402
0201	Robert Park M 12:00pm - 12:50pm	Seats (Total: 13) PHY 1402

PHYS171 **Introductory Physics: Mechanics and Relativity**

PHYS171 Introductory Physics: Mechanics and Relativity; (3 credits) Grade Method: REG/P-F/AUD. CORE Physical Science (PS) Course. GenEd: Distributive Studies - Natural Sciences.
Prerequisite: (MATH140; and a high school physics course); or permission of CMNS-Physics department. And completed or be concurrently enrolled in MATH141. First semester of a three semester sequence for physics majors and those desiring a rigorous preparation in the physical sciences: kinematics, Newton's laws, energy and work, linear and angular momenta, temperature and pressure, ideal gas law, and special relativity. Also offered as PHYS 171H.

0201	Arthur La Porta MTuThF 9:00am - 9:50am	Seats (Total: 49) PHY 1201

PHYS171H **Introductory Physics: Mechanics and Relativity**

PHYS171H *(PermReq)* **Introductory Physics: Mechanics and Relativity; (3 credits)** Grade Method: REG/P-F/AUD. CORE Physical Science (PS) Course. GenEd: Distributive Studies - Natural Sciences.
Prerequisite: (MATH140; and a high school physics course); or permission of CMNS-Physics department. And completed or be concurrently enrolled in MATH141. First semester of a three semester sequence for physics majors and those desiring a rigorous preparation in the physical sciences: kinematics, Newton's laws, energy and work, linear and angular momenta, temperature and pressure, ideal gas law, and special relativity. Also offered as PHYS171.

0201	Arthur La Porta MTuThF 9:00am - 9:50am	Seats (Total: 49) PHY 1201	

PHYS174 **Physics Laboratory Introduction**

PHYS174 Physics Laboratory Introduction; (1 credit) Grade Method: REG/P-F/AUD.
Corequisite: Concurrently enrolled in MATH140. Recommended: High school physics. Introduces students to the techniques of data gathering and analysis. This course will lay a foundation for higher-level labs in physics and the physical sciences. Students will learn to use laboratory equipment such as calipers, meters, oscilloscopes, and computer interfaces. Techniques of measurement and error analysis will be presented. Students will be taught to use the computer for data analysis with an emphasis on using spreadsheets.

0101	Arpita Upadhyaya, Gary Pennington, Richard Ellis W 9:00am - 10:50am	Seats (Total: 14) PHY 3115	Lab
0102	Arpita Upadhyaya, Gary Pennington, Richard Ellis W 2:00pm - 3:50pm	Seats (Total: 14) PHY 3115	Lab
0103	Arpita Upadhyaya, Richard Ellis, Gary Pennington Th 2:00pm - 3:50pm	Seats (Total: 14) PHY 3115	Lab
0104	Arpita Upadhyaya, Richard Ellis, Gary Pennington Th 9:00am - 10:50am	Seats (Total: 14) PHY 3115	Lab

0105	Gary Pennington, Arpita Upadhyaya, Richard Ellis W 12:00pm - 1:50pm	Seats (Total: 14) PHY 3115	Lab
0106	Richard Ellis, Arpita Upadhyaya, Gary Pennington Th 12:00pm - 2:00pm	Seats (Total: 14) PHY 3115	Lab
0107	Richard Ellis, Arpita Upadhyaya, Gary Pennington Tu 2:00pm - 3:50pm	Seats (Total: 14) PHY 3115	Lab
0108	Gary Pennington, Richard Ellis, Arpita Upadhyaya Tu 10:00am - 11:50am	Seats (Total: 14) PHY 3115	Lab
0109	Richard Ellis, Arpita Upadhyaya, Gary Pennington W 4:00pm - 5:50pm	Seats (Total: 14) PHY 3115	Lab

PHYS199M **The Manhattan Project**

PHYS199M The Manhattan Project; (3 credits) Grade Method: REG/P-F/AUD. CORE Physical Science (PS) Course. GenEd: Distributive Studies - History and Social Sciences or Distributive Studies - Natural Sciences; Signature Courses - I-Series. This course explores the development of the atomic bomb during the Manhattan project. Nuclear Physics is introduced in a historical context from the discovery of radioactivity in 1896 to the discovery of nuclear fission in Germany in 1938; this historical approach allows students to understand how scientific knowledge is built up over time.

0101	Thomas Cohen MW 4:00pm - 5:15pm M 1:00pm - 1:50pm	Seats (Total: 28) PHY 1410 PHY 1402	Discussion
0103	Thomas Cohen MW 4:00pm - 5:15pm Tu 2:00pm - 2:50pm	Seats (Total: 28) PHY 1410 PHY 1402	Discussion

0104	Thomas Cohen MW 4:00pm - 5:15pm W 1:00pm - 1:50pm	Seats (Total: 28) PHY 1410 PHY 1402	 Discussion

PHYS260 **General Physics: Vibration, Waves, Heat, Electricity and Magnetism**

PHYS260 General Physics: Vibration, Waves, Heat, Electricity and Magnetism; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Natural Science Lab(if taken with PHYS261).
Prerequisite: PHYS161 and MATH141. Corequisite: Concurrently enrolled in PHYS261. Credit only granted for: PHYS142, (PHYS260 and PHYS261), or PHYS272. Second semester of a three-semester calculus-based general physics course. Vibrations, waves, fluids; heat, kinetic theory, and thermodynamics; electrostatics, circuits, and magnetism. PHYS260 and PHYS261 must be taken in the same semester and the grade for the courses will be combined into a single grade for both. To pass, students must complete passing work in both PHYS260 and PHYS261. If purchasing used books additional software may be required.

0101	Gary Pennington MW 4:30pm - 5:45pm Tu 11:00am - 11:50am	Seats (Total: 34) PHY 1412 CHM 0122	 Discussion
0102	Gary Pennington MW 4:30pm - 5:45pm W 10:00am - 10:50am	Seats (Total: 32) PHY 1412 MTH 0105	 Discussion
0103	Gary Pennington MW 4:30pm - 5:45pm W 8:00am - 8:50am	Seats (Total: 32) PHY 1412 PHY 1219	 Discussion
0104	Gary Pennington MW 4:30pm - 5:45pm W 9:00am - 9:50am	Seats (Total: 32) PHY 1412 PHY 0405	 Discussion
0105	Gary Pennington MW 4:30pm - 5:45pm F 3:00pm - 3:50pm	Seats (Total: 32) PHY 1412 PHY 1204	 Discussion

0106	Gary Pennington MW 4:30pm - 5:45pm M 3:00pm - 3:50pm	Seats (Total: 32) PHY 1412 MTH 0105	Discussion
0201	Michael Rapport MW 3:00pm - 4:15pm Tu 8:00am - 8:50am	Seats (Total: 32) PHY 1412 PHY 0405	Discussion
0202	Michael Rapport MW 3:00pm - 4:15pm Tu 9:00am - 9:50am	Seats (Total: 33) PHY 1412 PHY 1219	Discussion
0203	Michael Rapport MW 3:00pm - 4:15pm Tu 11:00am - 11:50am	Seats (Total: 33) PHY 1412 JMP 2202	Discussion
0204	Michael Rapport MW 3:00pm - 4:15pm F 2:00pm - 2:50pm	Seats (Total: 34) PHY 1412 PHY 1402	Discussion
0205	Michael Rapport MW 3:00pm - 4:15pm W 12:00pm - 12:50pm	Seats (Total: 31) PHY 1412 MTH 0305	Discussion
0206	Michael Rapport MW 3:00pm - 4:15pm M 4:30pm - 5:20pm	Seats (Total: 33) PHY 1412 PHY 1219	Discussion
0301	Michelle Girvan TuTh 2:00pm - 3:15pm M 12:00pm - 12:50pm *Click here for more course information.*	Seats (Total: 28) PHY 1410 PHY 1219	Discussion
0302	Michelle Girvan TuTh 2:00pm - 3:15pm W 11:00am - 11:50am	Seats (Total: 28) PHY 1410 PHY 0405	Discussion
0303	Michelle Girvan TuTh 2:00pm - 3:15pm Tu 12:00pm - 12:50pm	Seats (Total: 28) PHY 1410 MTH B0429	Discussion

0304	Michelle Girvan TuTh 2:00pm - 3:15pm F 1:00pm - 1:50pm	Seats (Total: 27) PHY 1410 PHY 1402	 Discussion
0305	Michelle Girvan TuTh 2:00pm - 3:15pm Tu 1:00pm - 1:50pm	Seats (Total: 27) PHY 1410 PHY 1219	 Discussion
0401	Theodore Kirkpatrick M 7:00pm - 8:50pm W 7:00pm - 7:50pm W 8:00pm - 8:50pm	Seats (Total: 30) PHY 1410 PHY 1410 PHY 0405	 Discussion
0402	Theodore Kirkpatrick M 7:00pm - 8:50pm W 7:00pm - 7:50pm W 6:00pm - 6:50pm	Seats (Total: 30) PHY 1410 PHY 1410 PHY 1219	 Discussion
0403	Theodore Kirkpatrick M 7:00pm - 8:50pm W 7:00pm - 7:50pm M 6:00pm - 6:50pm	Seats (Total: 30) PHY 1410 PHY 1410 PHY 1219	 Discussion
0404	Theodore Kirkpatrick M 7:00pm - 8:50pm W 7:00pm - 7:50pm M 6:00pm - 6:50pm	Seats (Total: 30) PHY 1410 PHY 1410 PHY 0405	 Discussion

PHYS260H **General Physics: Vibration, Waves, Heat, Electricity and Magnetism**

PHYS260H General Physics: Vibration, Waves, Heat, Electricity and Magnetism; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Natural Science Lab(if taken with PHYS261).
Prerequisite: PHYS161 and MATH141. Corequisite: Concurrently enrolled in PHYS261. Credit only granted for: PHYS142, (PHYS260 and PHYS261), or PHYS272. Second semester of a three-semester calculus-based general physics course. Vibrations, waves, fluids; heat, kinetic theory, and thermodynamics; electrostatics, circuits, and magnetism. PHYS260 and PHYS261 must be taken in the same semester and the grade for the courses will be combined into a single grade for both. To pass, students must complete passing work in both PHYS260 and PHYS261. If purchasing used books additional software may be required. Click here for more course information.

0301	Michelle Girvan TuTh 2:00pm - 3:15pm M 12:00pm - 12:50pm	Seats (Total: 21) PHY 1410 HBK 0105	 Discussion

PHYS261 **General Physics: Vibrations, Waves, Heat, Electricity and Magnetism (Laboratory)**

PHYS261 General Physics: Vibrations, Waves, Heat, Electricity and Magnetism (Laboratory); (1 credit) Grade Method: REG/P-F/AUD.
Corequisite: Concurrently enrolled in PHYS260. Lab includes experiments on mechanics, vibrations, waves, heat, electricity and magnetism. PHYS260 and PHYS261 (lab) must be taken in the same semester and the grade for the courses will be combined into a single grade for both. To pass, students must complete passing work in both PHYS260 and PHYS261. Students must pay a $50.00 laboratory materials fee.

0101	Wendell Hill M 8:00am - 10:50am	Seats (Total: 24) PHY 3219	 Lab
0102	Wendell Hill M 12:00pm - 2:50pm	Seats (Total: 24) PHY 3219	 Lab
0103	Wendell Hill M 3:00pm - 5:50pm	Seats (Total: 24) PHY 3219	 Lab
0104	Wendell Hill Tu 10:00am - 12:50pm	Seats (Total: 24) PHY 3219	 Lab

0105	Wendell Hill Tu 1:00pm - 3:50pm	Seats (Total: 24) PHY 3219	Lab
0106	Wendell Hill M 7:00pm - 9:50pm	Seats (Total: 24) PHY 3219	Lab
0107	Wendell Hill Tu 7:00pm - 9:50pm	Seats (Total: 24) PHY 3219	Lab
0108	Wendell Hill W 7:00pm - 9:50pm	Seats (Total: 24) PHY 3219	Lab
0109	Wendell Hill W 8:00am - 10:50am	Seats (Total: 24) PHY 3219	Lab
0110	Wendell Hill Tu 4:00pm - 6:50pm	Seats (Total: 24) PHY 3219	Lab
0111	Wendell Hill W 1:00pm - 3:50pm	Seats (Total: 24) PHY 3219	Lab
0112	Wendell Hill W 4:00pm - 6:50pm	Seats (Total: 24) PHY 3219	Lab
0113	Wendell Hill Th 8:00am - 10:50am	Seats (Total: 24) PHY 3219	Lab
0114	Wendell Hill Th 11:00am - 1:50pm	Seats (Total: 24) PHY 3219	Lab
0115	Wendell Hill Tu 1:00pm - 3:50pm	Seats (Total: 24) PHY 3219	Lab
0116	Wendell Hill Tu 4:00pm - 6:50pm	Seats (Total: 24) PHY 3219	Lab
0117	Wendell Hill Th 2:00pm - 4:50pm	Seats (Total: 24) PHY 3219	Lab
0118	Wendell Hill Th 11:00am - 1:50pm	Seats (Total: 24) PHY 3219	Lab

0119	Wendell Hill Th 2:00pm - 4:50pm	Seats (Total: 24) PHY 3219	Lab
0120	Wendell Hill W 1:00pm - 3:50pm	Seats (Total: 24) PHY 3219	Lab
0121	Wendell Hill Tu 7:00pm - 9:50pm	Seats (Total: 24) PHY 3219	Lab
0122	Wendell Hill W 9:00am - 11:50am	Seats (Total: 24) PHY 3219	Lab
0123	Wendell Hill W 4:00pm - 6:50pm	Seats (Total: 24) PHY 3219	Lab
0124	Wendell Hill W 7:00pm - 9:50pm	Seats (Total: 24) PHY 3219	Lab
0125	Wendell Hill Th 6:00pm - 8:50pm	Seats (Total: 24) PHY 3219	Lab
0126	Wendell Hill Tu 8:00am - 10:50am	Seats (Total: 24) PHY 3219	Lab
0127	Wendell Hill Th 5:00pm - 7:50pm	Seats (Total: 24) PHY 3219	Lab

PHYS261M **General Physics: Vibrations, Waves, Heat, Electricity and Magnetism (Laboratory)**

PHYS261M *(PermReq)* **General Physics: Vibrations, Waves, Heat, Electricity and Magnetism (Laboratory); (1 credit)** Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Natural Science Lab.
Corequisite: Concurrently enrolled in PHYS260. Lab includes experiments on mechanics, vibrations, waves, heat, electricity and magnetism. PHYS260 and PHYS261 (lab) must be taken in the same semester and the grade for the courses will be combined into a single grade for both. To pass, students must complete passing work in both PHYS260 and PHYS261.

0101	Wendell Hill Contact instructor or department for details. *Restricted to students transferring a lab grade from a previous semester.*	Seats (Total: 10)	

PHYS270 **General Physics: Electrodynamics, Light, Relativity and Modern Physics**

PHYS270 General Physics: Electrodynamics, Light, Relativity and Modern Physics; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Natural Science Lab(if taken with PHYS271).
Prerequisite: PHYS261, MATH241, and PHYS260. Corequisite: Concurrently enrolled in PHYS271. Credit only granted for: (PHYS270 and PHYS271) or PHYS273. Third semester of a three-semester calculus-based general physics course. Electrodynamics, Maxwell's equations and electromagnetic waves, geometrical optics, interference, diffraction, special theory of relativity, and modern physics. PHYS270 and PHYS271 (lab) must be taken in the same semester and the grade for the courses will be combined into a single grade for both. To pass, students must complete passing work in both PHYS270 and PHYS271. If purchasing used books additional software may be required.

0101	Hailu Gebremariam TuTh 5:00pm - 6:15pm Th 2:00pm - 2:50pm	Seats (Total: 30) PHY 1412 PHY 1204	Discussion
0102	Hailu Gebremariam TuTh 5:00pm - 6:15pm Th 4:00pm - 4:50pm	Seats (Total: 30) PHY 1412 PHY 1219	Discussion
0103	Hailu Gebremariam TuTh 5:00pm - 6:15pm W 9:00am - 9:50am	Seats (Total: 30) PHY 1412 CHM 0128	Discussion
0104	Hailu Gebremariam TuTh 5:00pm - 6:15pm F 1:00pm - 1:50pm	Seats (Total: 29) PHY 1412 PHY 0405	Discussion
0301	Rabindra Mohapatra MWF 12:00pm - 12:50pm W 1:00pm - 1:50pm	Seats (Total: 29) PHY 1410 PHY 0405	Discussion

0302	Rabindra Mohapatra MWF 12:00pm - 12:50pm W 2:00pm - 2:50pm	Seats (Total: 29) PHY 1410 MTH 0411	 Discussion
0303	Rabindra Mohapatra MWF 12:00pm - 12:50pm F 2:00pm - 2:50pm	Seats (Total: 29) PHY 1410 PHY 0405	 Discussion

PHYS271 **General Physics: Electrodynamics, Light, Relativity and Modern Physics (Laboratory)**

PHYS271 General Physics: Electrodynamics, Light, Relativity and Modern Physics (Laboratory); (1 credit) Grade Method: REG/P-F/AUD.
Prerequisite: PHYS261. Corequisite: Concurrently enrolled in PHYS270. Lab includes experiments on ac circuits, magnetism, light and modern physics. PHYS270 and PHYS271 (lab) must be taken in the same semester and the grade for the courses will be combined into a single grade for both. To pass, students must complete passing work in both PHYS270 and PHYS271. Students must pay a $50.00 laboratory materials fee.

0102	Wendell Hill M 3:00pm - 5:50pm	Seats (Total: 24) PHY 3220	 Lab
0103	Wendell Hill M 6:00pm - 8:50pm	Seats (Total: 24) PHY 3220	 Lab
0105	Wendell Hill Tu 10:00am - 12:50pm	Seats (Total: 24) PHY 3220	 Lab
0106	Wendell Hill Tu 1:00pm - 3:50pm	Seats (Total: 24) PHY 3220	 Lab
0107	Wendell Hill Tu 4:00pm - 6:50pm	Seats (Total: 24) PHY 3220	 Lab
0116	Wendell Hill W 1:00pm - 3:50pm	Seats (Total: 24) PHY 3220	 Lab
0117	Wendell Hill Th 11:00am - 1:50pm	Seats (Total: 24) PHY 3220	 Lab

0118	Wendell Hill Th 2:00pm - 4:50pm	Seats (Total: 24) PHY 3220	Lab
0119	Wendell Hill Th 5:00pm - 7:50pm	Seats (Total: 24) PHY 3220	Lab

PHYS271M **General Physics: Electrodynamics, Light, Relativity and Modern Physics (Laboratory)**

PHYS271M *(PermReq)* **General Physics: Electrodynamics, Light, Relativity and Modern Physics (Laboratory); (1 credit)** Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Natural Science Lab.
Prerequisite: PHYS261. Corequisite: Concurrently enrolled in PHYS270. Lab includes experiments on ac circuits, magnetism, light and modern physics. PHYS270 and PHYS271 (lab) must be taken in the same semester and the grade for the courses will be combined into a single grade for both. To pass, students must complete passing work in both PHYS270 and PHYS271.

0101	Wendell Hill Contact instructor or department for details. *Restricted to students transferring a lab grade from a previous semester.*	Seats (Total: 10)

PHYS272 **Introductory Physics: Fields**

PHYS272 Introductory Physics: Fields; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Natural Science Lab(if taken with PHYS275).
Prerequisite: PHYS161 or PHYS171; and MATH141; and completed or be concurrently enrolled in MATH241. Credit only granted for: PHYS142, (PHYS260 and PHYS261) or PHYS272.. Additional information: CORE Distributive Studies Physical Sciences Laboratory Course only when taken concurrently with PHYS275. Second semester of a calculus based general physics course. Universal gravitation, electric and magnetic fields and potentials, simple circuits, Maxwell's equations in integral form. Continues the application of mathematics to conceptual models, now with more abstract components. Also offered as PHYS 272H.

0101	Douglas Hamilton TuTh 12:30pm - 1:45pm F 12:00pm - 12:50pm	Seats (Total: 68) PHY 1410 PHY 1201	

PHYS272H **Introductory Physics: Fields**

PHYS272H Introductory Physics: Fields; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Natural Science Lab(if taken with PHYS275). *Prerequisite: PHYS161 or PHYS171; and MATH141; and completed or be concurrently enrolled in MATH241. Credit only granted for: PHYS142, (PHYS260 and PHYS261) or PHYS272.. Additional information: CORE Distributive Studies Physical Sciences Laboratory Course only when taken concurrently with PHYS275.* Second semester of a calculus based general physics course. Universal gravitation, electric and magnetic fields and potentials, simple circuits, Maxwell's equations in integral form. Continues the application of mathematics to conceptual models, now with more abstract components. For general honors students only. Also offered as PHYS 272.

0101	Douglas Hamilton	Seats (Total: 68)
	TuTh 12:30pm - 1:45pm	PHY 1410
	F 12:00pm - 12:50pm	PHY 1201

PHYS273 **Introductory Physics: Waves**

PHYS273 Introductory Physics: Waves; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: MATH241 and PHYS272. Corequisite: Concurrently enrolled in MATH246 or MATH414. Credit only granted for: (PHYS270 and PHYS271) or PHYS273.* Oscillations and AC circuits using complex variables, Fourier series and integrals, waves on strings, sound; electromagnetic waves from Maxwell's equations in differential form; physical optics. Also offered as PHYS 273H.

0101	Carter Hall	Seats (Total: 55)
	MTuWTh 9:00am - 9:50am	PHY 1204

PHYS273H **Introductory Physics: Waves**

PHYS273H Introductory Physics: Waves; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MATH241 and PHYS272. Corequisite: Concurrently enrolled in MATH246 or MATH414. Credit only granted for: (PHYS270 and PHYS271) or PHYS273. Oscillations and AC circuits using complex variables, Fourier series and integrals, waves on strings, sound; electromagnetic waves from Maxwell's equations in differential form; physical optics. For general honors students only. Also offered as PHYS 273.

0101	Carter Hall MTuWTh 9:00am - 9:50am	Seats (Total: 55) PHY 1204	

PHYS275 **Experimental Physics I: Mechanics and Heat**

PHYS275 *(PermReq)* **Experimental Physics I: Mechanics and Heat; (2 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: PHYS161 or PHYS171; and PHYS174; and completed or be concurrently enrolled in PHYS174. Additional information: CORE Physical Science Lab (PL) Course only when taken concurrently with PHYS272. Methods and rationale of experimental physics. Intended for physics majors and science and engineering students who desire a more rigorous approach. Experiments chosen from the areas of mechanics (from PHYS171), gas laws, and heats. Theory and applications of error analysis.

0101	Frederick Wellstood M 2:00pm - 5:50pm	Seats (Total: 11) PHY 3104	Lab
0201	Frederick Wellstood W 2:00pm - 5:50pm	Seats (Total: 11) PHY 3104	Lab
0301	Min Ouyang Tu 2:00pm - 5:50pm	Seats (Total: 10) PHY 3104	Lab
0401	Min Ouyang Th 2:00pm - 5:50pm	Seats (Total: 10) PHY 3104	Lab

PHYS276 **Experimental Physics II: Electricity and Magnetism**

PHYS276 *(PermReq)* **Experimental Physics II: Electricity and Magnetism; (2 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: PHYS272 and PHYS275. Second course in the three semester introductory sequence. Methods and rationale of experimental physics. Experiments chosen from the fields of electricity and magnetism including electrostatics, magnetostatics, magnetic induction, AC circuits.

0101	George Goldenbaum M 2:00pm - 5:50pm	Seats (Total: 12) PHY 3120	Lab

0201	George Goldenbaum Tu 2:00pm - 5:50pm	Seats (Total: 12) PHY 3120	 Lab
0301	Kara Hoffman F 12:00pm - 3:50pm	Seats (Total: 12) PHY 3120	 Lab
0401	Kara Hoffman W 2:00pm - 5:50pm	Seats (Total: 12) PHY 3120	 Lab

PHYS299 **Special Problems in Physics**

PHYS299 *(PermReq)* **Special Problems in Physics; (1-6 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PHYS374 **Intermediate Theoretical Methods**

PHYS374 Intermediate Theoretical Methods; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MATH246 and PHYS273. Corequisite: Concurrently enrolled in MATH240. Introduces or reviews areas of mathematics that are regularly used in upper level and graduate courses in physics, including important areas from complex variables, Fourier analysis, partial differential equations and eigenvalue problems. These methods will be studied in the context of relevant physics applications. A current standard symbolic manipulation program will be introduced and its appropriate use in theoretical analyses will be taught.

0101	David Wolfe M 11:00am - 11:50am TuTh 11:00am - 12:15pm	Seats (Total: 60) PHY 1201 PHY 1201	

PHYS375 **Experimental Physics III: Electromagnetic Waves, Optics and Modern Physics**

PHYS375 *(PermReq)* **Experimental Physics III: Electromagnetic Waves, Optics and Modern Physics; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: PHYS276 and PHYS273. Third course in the three-semester introductory sequence. Methods and rationale of experimental physics. Experiments chosen from the areas of electromagnetic waves, optics and modern physics. Besides lab hours scheduled below, additional required lab time will be arranged.

0101	Andris Skuja M 2:00pm - 2:50pm M 3:00pm - 5:50pm	Seats (Total: 10) PHY 3112 PHY 3203	 Lab
0102	Andris Skuja M 2:00pm - 2:50pm W 3:00pm - 5:50pm	Seats (Total: 10) PHY 3112 PHY 3203	 Lab
0201	Johnpierre Paglione Tu 2:00pm - 2:50pm Tu 3:00pm - 5:50pm	Seats (Total: 10) PHY 3112 PHY 3203	 Lab
0202	Johnpierre Paglione Tu 2:00pm - 2:50pm Th 3:00pm - 5:50pm	Seats (Total: 10) PHY 3112 PHY 3203	 Lab

PHYS386 **Experiential Learning**

PHYS386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: Learning Proposal approved by the Office of Experiential Learning Programs, faculty sponsor, and student's internship sponsor. Junior standing.

Contact department for information to register for this course.

PHYS389 **Undergraduate Thesis Research**

PHYS389 *(PermReq)* **Undergraduate Thesis Research; (1-6 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PHYS398 **Independent Studies Seminar**

PHYS398 *(PermReq)* **Independent Studies Seminar; (1-16 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PHYS399 **Special Problems in Physics**

PHYS399 *(PermReq)* **Special Problems in Physics; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PHYS401 **Quantum Physics I**

PHYS401 Quantum Physics I; (4 credits) Grade Method: REG/P-F/AUD. *Prerequisite: PHYS273. Corequisite: Concurrently enrolled in PHYS374; and concurrently enrolled in MATH240. Formerly: PHYS421.* Introduces some quantum phenomena leading to wave-particle duality. Schroedinger theory for bound states and scattering in one dimension. One-particle Schroedinger equation and the hydrogen atom.

0101	Sylvester Gates	Seats (Total: 68)
	MWF 10:00am - 10:50am W 11:00am - 11:50am	PHY 1201 PHY 1201

PHYS402 **Quantum Physics II**

PHYS402 Quantum Physics II; (4 credits) Grade Method: REG/P-F/AUD. *Prerequisite: PHYS401, PHYS374, and MATH240.* Quantum states as vectors; spin and spectroscopy, multiparticle systems, the periodic table, perturbation theory, band structure, etc.

0101	Paulo Bedaque	Seats (Total: 45)
	MWF 10:00am - 10:50am W 11:00am - 11:50am	PHY 1402 PHY 1402

PHYS404 **Introduction to Statistical Thermodynamics**

PHYS404 Introduction to Statistical Thermodynamics; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PHYS273; or students who have taken courses with similar or comparable course content may contact the department. Introduction to basic concepts in thermodynamics and statistical mechanics.

0101	Theodore Einstein	Seats (Total: 45)	
	TuTh 12:30pm - 1:45pm	PHY 1402	

PHYS405 **Advanced Experiments**

PHYS405 *(PermReq)* **Advanced Experiments; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: PHYS375. Restriction: Must be in a major within CMNS-Physics department. Advanced laboratory techniques. Selected experiments from many fields of modern physics. Emphasis on self-study of the phenomena, data analysis, and presentation in report form.

0101	Michael Coplan, James Anderson	Seats (Total: 14)	
	W 12:00pm - 12:50pm	PHY 1219	Lab
	TBA	PHY 3112	Lab
0102	James Anderson, Michael Coplan	Seats (Total: 14)	
	W 12:00pm - 12:50pm	PHY 1219	Lab
	TBA	PHY 3112	Lab

PHYS407 **Undergraduate Experimental Research**

PHYS407 *(PermReq)* **Undergraduate Experimental Research; (3 credits)** Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Scholarship in Practice. *Prerequisite: PHYS499 and PHYS375; and permission of CMNS-Physics department. Restriction: Must be in a major within CMNS-Physics department; and Senior standing.* Students develop and complete an independent, experimental research project with a professor in the Physics Department. The project should be a continuation of work done in PHYS499A. To obtain permission, students must submit a proposal describing the experimental work to be completed and this proposal must be approved by their faculty mentor, the associate chair for undergraduate education and the chair of the laboratory committee. Students must maintain a lab notebook, give an oral presentation and complete a written report on their research that includes data and error analysis.

0101	Thomas Cohen	Seats (Total: 10)	
	Contact instructor or department for details.		

PHYS410 **Classical Mechanics**

PHYS410 Classical Mechanics; (4 credits) Grade Method: REG/P-F/AUD. *Prerequisite: PHYS374.* Theoretical foundations of mechanics with extensive application of the methods. Various mathematical tools of theoretical physics.

0101	Theodore Jacobson	Seats (Total: 45)	
	TuTh 9:00am - 10:50am	PHY 1402	

PHYS411 **Intermediate Electricity and Magnetism**

PHYS411 Intermediate Electricity and Magnetism; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PHYS374. Foundations of electromagnetic theory, with extensive applications of the methods. Thorough treatment of wave properties of solutions of Maxwell's equations.

0101	Kaustubh Agashe	Seats (Total: 49)	
	TuTh 11:00am - 11:50am	PHY 1402	
	M 11:00am - 11:50am	PHY 1402	
	F 11:00am - 11:50am	PHY 1402	Discussion

PHYS420 **Principles of Modern Physics**

PHYS420 Principles of Modern Physics; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: MATH246. And PHYS271 and PHYS270; or PHYS273.* A survey of atomic and nuclear phenomena and the main trends in modern physics. Appropriate for students in engineering and other physical sciences.

0101	Bei Lok Hu	Seats (Total: 40)
	MW 3:30pm - 4:45pm	PHY 0405

PHYS431 **Properties of Matter**

PHYS431 Properties of Matter; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: PHYS271, PHYS270, and MATH241; and (PHYS401 or PHYS420). Also offered as: ENMA460. Credit only granted for: ENMA460 or PHYS431.* Introduction to solid state physics. Electromagnetic, thermal, and elastic properties of metals, semiconductors, insulators and superconductors.

0101	Ichiro Takeuchi	Seats (Total: 37)
	MW 5:00pm - 6:15pm	EGR 0135

PHYS499A **Special Problems in Physics**

PHYS499A *(PermReq)* **Special Problems in Physics; (1-6 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PHYS499B **Special Problems in Physics**

PHYS499B *(PermReq)* **Special Problems in Physics; (1-16 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PHYS601 **Theoretical Dynamics**

PHYS601 *(PermReq)* **Theoretical Dynamics; (3 credits)** Grade Method: REG/AUD.
Prerequisite: PHYS410; or students who have taken courses with similar or comparable course content may contact the department. Lagrangian and Hamiltonian mechanics, two-body central force problem, rigid body motion, small oscillations, continuous systems.

0101	Victor Yakovenko, Sergii Pershoguba	Seats (Total: 49)
	MWF 9:00am - 9:50am	PHY 1402

PHYS604 **Methods of Mathematical Physics**

PHYS604 *(PermReq)* **Methods of Mathematical Physics; (3 credits)** Grade Method: REG/AUD.
Prerequisite: Must have completed coursework in advanced calculus; and (PHYS411 and PHYS410). Or students who have taken courses with similar or comparable course content may contact the department. Ordinary and partial differential equations of physics, boundary value problems, Fourier series, Green's functions, complex variables and contour integration.

0101	Adil Hassam	Seats (Total: 50)
	TuTh 9:30am - 10:45am	CHM 0115

PHYS622 **Introduction to Quantum Mechanics I**

PHYS622 *(PermReq)* **Introduction to Quantum Mechanics I; (4 credits)** Grade Method: REG/AUD.
Prerequisite: Must have an outstanding undergraduate background in physics. First and second semesters. A study of the Schroedinger equation, matrix formulations of quantum mechanics, approximation methods, scattering theory, etc. Applications to solid state, atomic, and nuclear physics.

0201	Michael Levin	Seats (Total: 55)
	MW 10:00am - 10:50am	PHY 1204
	F 10:00am - 11:50am	PHY 1204

PHYS624 **Advanced Quantum Mechanics**

PHYS624 Advanced Quantum Mechanics; (3 credits) Grade Method: REG/AUD.
Prerequisite: PHYS623. Relativistic wave equations, second quantization in many body problems and relativistic wave equations, Feynman-Dyson perturbation theory, applications to many body problems, application to quantum electrodynamics, elements of renormalization.

0101	Zackaria Chacko	Seats (Total: 38)
	MWF 1:00pm - 1:50pm	PHY 1219

PHYS675 **Introduction to Relativity, Gravitation and Cosmology**

PHYS675 Introduction to Relativity, Gravitation and Cosmology; (3 credits) Grade Method: REG/AUD.
Prerequisite: PHYS606 and PHYS601. Review of special relativity, followed by a study of the equivalence principle, curved spacetimes, and Einstein's equations. Selected applications to the solar system, stellar structure, black holes, gravitational waves, and cosmology.

0101	Manuel Tiglio	Seats (Total: 30)
	TuTh 2:00pm - 3:15pm	PHY 1219

PHYS715 **Chaotic Dynamics**

PHYS715 Chaotic Dynamics; (3 credits) Grade Method: REG/AUD.
Prerequisite: PHYS601. Theory and applications of chaos in dynamical systems including such topics as strange attractors, Lyapanov exponents, quasiperiodicity, period doubling, intermittency, crises, fractal basin boundaries, chaotic scattering, KAM tori, and quantum chaos. Also offered as ENEE789O.

0101	Edward Ott	Seats (Total: 25)
	TuTh 11:00am - 12:15pm	PHY 1204

PHYS721 **Atomic and Optical Physics I (Survey)**

PHYS721 Atomic and Optical Physics I (Survey); (3 credits) Grade Method: REG/AUD.
Prerequisite: PHYS623. A survey of topics involving the physics of atoms and their interaction with radiation, including atoms in external fields, lasers, atomic spectroscopy and atomic structure.

0101	Trey Porto, Gretchen Campbell MW 2:30pm - 3:50pm	Seats (Total: 30) PHY 1219

PHYS728 **Seminar in Atomic and Molecular Physics**

PHYS728 Seminar in Atomic and Molecular Physics; (1 credit) Grade Method: REG/AUD.

0101	Steven Rolston M 12:00pm - 1:50pm	Seats (Total: 20) PHY 1201

PHYS731 **Solid State Physics: Survey**

PHYS731 Solid State Physics: Survey; (3 credits) Grade Method: REG/AUD.
A variety of topics such as crystal structure, mechanical, thermal, electrical, and magnetic properties of solids, band structure, the Fermi surface, and superconductivity will be treated. Although the emphasis will be on the phenomena, the methods of quantum mechanics are freely employed in this description.

0101	Ian Appelbaum TuTh 11:00am - 12:15pm	Seats (Total: 25) PHY 1219

PHYS738 **Seminar in Experimental Solid State Physics; Quantum Mechanical Many-Body Problems**

PHYS738 Seminar in Experimental Solid State Physics: Quantum Mechanical Many-Body Problems; (1 credit) Grade Method: REG/AUD.
Also offered as PHYS 739.

0101	Victor Galitskiy, Johnpierre Paglione Th 2:00pm - 3:50pm	Seats (Total: 30) PHY 1201

PHYS739 **Seminar in Theoretical Solid State Physics; Quantum Mechanical Many-Body Problems**

PHYS739 Seminar in Theoretical Solid State Physics: Quantum Mechanical Many-Body Problems; (1 credit) Grade Method: REG/AUD.
Also offered as PHYS 738.

0101	Victor Galitskiy, Johnpierre Paglione Th 2:00pm - 3:50pm	Seats (Total: 30) PHY 1201

PHYS748 **Seminar in Experimental Nuclear Physics**

PHYS748 Seminar in Experimental Nuclear Physics; (1 credit) Grade Method: REG/AUD.

0101	Carter Hall, Elizabeth Beise	Seats (Total: 24)
	W 2:30pm - 4:00pm	PHY 2202

PHYS749 **Seminar in Theoretical Nuclear Physics**

PHYS749 Seminar in Theoretical Nuclear Physics; (1 credit) Grade Method: REG/AUD.

0101	Xiangdong Ji	Seats (Total: 20)
	W 4:00pm - 6:00pm	PHY 1219

PHYS751 **Elementary Particle Physics I: Survey**

PHYS751 Elementary Particle Physics I: Survey; (3 credits) Grade Method: REG/AUD.
Corequisite: Concurrently enrolled in PHYS624. Nuclear forces are studied by examining interactions at high energies. Meson physics, scattering processes, and detailed analysis of high energy experiments.

0101	Sarah Eno	Seats (Total: 20)
	TuTh 9:30am - 10:45am	PHY 0405

PHYS758E **Seminar in Elementary Particles and Quantum Field Theory; Seminar in Elementary Particles and Quantum Field Theory**

PHYS758E Seminar in Elementary Particles and Quantum Field Theory: Seminar in Elementary Particles and Quantum Field Theory; (1 credit) Grade Method: REG/AUD.

0101	Erik Blaufuss	Seats (Total: 25)
	W 4:00pm - 6:00pm	PHY 1201

PHYS759 **Seminar in Elementary Particles and Quantum Field Theory**

PHYS759 Seminar in Elementary Particles and Quantum Field Theory; (1 credit) Grade Method: REG/AUD.

0101	Kaustubh Agashe M 3:00pm - 4:00pm	Seats (Total: 15) PHY 4102

PHYS761 **Plasma Physics I: Survey**

PHYS761 Plasma Physics I: Survey; (3 credits) Grade Method: REG/AUD. *Prerequisite: PHYS606 and PHYS604.* A detailed study of plasma physics. The first semester treats particle orbit theory, magnetohydrodynamics, plasma waves, and transport phenomena.

0101	James Drake TuTh 2:00pm - 3:15pm	Seats (Total: 30) PHY 1304

PHYS769 **Seminar in Plasma Physics**

PHYS769 Seminar in Plasma Physics; (1 credit) Grade Method: REG/AUD. Class will meet in ERF 1207.

0101	Adil Hassam W 4:00pm - 5:15pm	Seats (Total: 35) PHY 1402

PHYS778 **Seminar in Space and Cosmic Ray Physics**

PHYS778 Seminar in Space and Cosmic Ray Physics; (1 credit) Grade Method: REG/AUD.

0101	Douglas Hamilton M 4:30pm - 5:45pm	Seats (Total: 20) CSS 2400

PHYS779A **Seminar in General Relativity; Seminar in Gravitational Physics**

PHYS779A Seminar in General Relativity: Seminar in Gravitational Physics; (1 credit) Grade Method: REG/AUD.

0101	Theodore Jacobson M 1:30pm - 3:00pm	Seats (Total: 10) PHY 4102

PHYS798 **Special Problems in Advanced Physics**

PHYS798 *(PermReq)* **Special Problems in Advanced Physics; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PHYS798B **Special Problems in Advanced Physics; Physics Colloquium**

PHYS798B Special Problems in Advanced Physics: Physics Colloquium; (1 credit) Grade Method: REG/AUD.

0101	Thomas Cohen	Seats (Total: 160)
	Tu 4:00pm - 6:00pm	PHY 1410

PHYS798D **Special Problems in Advanced Physics; Applied Dynamics Seminar**

PHYS798D Special Problems in Advanced Physics: Applied Dynamics Seminar; (1 credit) Grade Method: REG/AUD.

0101	Michelle Girvan	Seats (Total: 10)
	Th 12:30pm - 1:30pm	ERF 1207

PHYS798I **Special Problems in Advanced Physics; Superconductivity**

PHYS798I Special Problems in Advanced Physics: Superconductivity; (3 credits) Grade Method: REG/AUD.
Prerequisite: PHYS623. Survey of superconductivity, including the electrodynamics of superconductors, Ginzburg-Landau theory, BCS theory, magnetic vortices and the Josephson effect.

0101	Steven Anlage	Seats (Total: 20)
	MWF 10:00am - 11:15am	PHY 1304

PHYS798L **Special Problems in Advanced Physics; Biophysics**

PHYS798L Special Problems in Advanced Physics: Biophysics; (1 credit) Grade Method: REG/AUD.

0101	Arpita Upadhyaya M 4:00pm - 5:30pm	Seats (Total: 10) IPT 1116

PHYS799 **Master's Thesis Research**

PHYS799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PHYS838A **Special Topics in Experimental Solid State Physics; Methods of Surface Physics**

PHYS838A Special Topics in Experimental Solid State Physics: Methods of Surface Physics; (2 credits) Grade Method: REG/AUD.

0101	Theodore Einstein, William Cullen M 11:00am - 12:00pm F 2:00pm - 4:00pm	Seats (Total: 3) PHY 0405 PHY 1201

PHYS838C **Special Topics in Experimental Solid State Physics; Superconductivity, Quantum Materials and Nanoscience Seminar**

PHYS838C Special Topics in Experimental Solid State Physics: Superconductivity, Quantum Materials and Nanoscience Seminar; (2 credits) Grade Method: REG/AUD.

0101	Michael Fuhrer M 4:00pm - 5:50pm	Seats (Total: 50) PHY 1201

PHYS839A **Special Topics in Theoretical Solid State Physics; Theory of Low Dimensional Systems**

PHYS839A Special Topics in Theoretical Solid State Physics: Theory of Low Dimensional Systems; (1 credit) Grade Method: REG/AUD.

0101	Sankar Das Sarma F 4:00pm - 7:00pm	Seats (Total: 20) PHY 1201

PHYS898 **Pre-Candidacy Research**

PHYS898 *(PermReq)* **Pre-Candidacy Research; (1-8 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PHYS899 **Doctoral Dissertation Research**

PHYS899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Physics Colloquium meets Tu 4-5:30 in PHY 1410 and PHY 1412. Physics Journal Club meets Th 4-5:30 in PHY 1410.

Contact department for information to register for this course.

PLSC Plant Sciences Fall 2012

PLSC101 **Introductory Crop Science**

PLSC101 Introductory Crop Science; (4 credits) Grade Method: REG/P-F/AUD. CORE Life Science Lab (LL) Course. GenEd: Distributive Studies - Natural Science Lab.
Major crop plants including: anatomy, physiology, morphology, history, use, adaptation, culture, improvement and economic importance. Students must pay a $50.00 laboratory materials fee.

0101	Donald Glenn MWF 11:00am - 11:50am M 12:00pm - 1:50pm	Seats (Total: 25) PLS 1140 HJP 1104	 Lab
0102	Donald Glenn MWF 11:00am - 11:50am W 12:00pm - 1:50pm	Seats (Total: 25) PLS 1140 HJP 1104	 Lab
0103	Donald Glenn MWF 11:00am - 11:50am W 2:00pm - 3:50pm	Seats (Total: 25) PLS 1140 HJP 1104	 Lab
0104	Donald Glenn MWF 11:00am - 11:50am M 2:00pm - 3:50pm	Seats (Total: 25) PLS 1140 HJP 1104	 Lab

PLSC115 **How Safe is Your Salad? The Microbiological Safety of Fresh produce**

PLSC115 How Safe is Your Salad? The Microbiological Safety of Fresh produce; (3 credits) Grade Method: REG/P-F/AUD. CORE Life Science (LS) Course. GenEd: Distributive Studies - Natural Sciences; Signature Courses - I-Series. *Recommended: PLSC100, PLSC101, or BSCI105.* As food is produced in larger quantities and made to travel longer distances, keeping our food safe in this day and age is an ever growing challenge. This course will focus on the question of what it takes to grow and maintain safe fruits and vegetables, as food travels along the path from the farm to your fork. Food safety of fresh produce will be discussed from the public health, agricultural, economical and policy perspectives.

0101	Shirley Micallef MW 10:00am - 10:50am F 11:00am - 11:50am	Seats (Total: 30) PLS 1140 PLS 1119	 Discussion
0102	Shirley Micallef MW 10:00am - 10:50am F 12:00pm - 12:50pm	Seats (Total: 30) PLS 1140 PLS 1119	 Discussion
0103	Shirley Micallef MW 10:00am - 10:50am F 2:00pm - 2:50pm	Seats (Total: 30) PLS 1140 PLS 1119	 Discussion

PLSC120 **Mushrooms and Molds**

PLSC120 Mushrooms and Molds; (3 credits) Grade Method: REG/P-F/AUD. Students will learn about how essential fungi (mushroom, molds, and alikes) are in this world and how they affect our daily lives. They will learn how fungi interact with animals, plants and other organisms in positive and negative ways. Also, they will study the importance of fungi in biotechnology and food and how they have shaped many societies throughout history.

0101	Priscila Chaverri TuTh 9:30am - 10:45am	Seats (Total: 25) PLS 1111	

PLSC189I **Specialty Crops: Plantation Agriculture to Globalization**

PLSC189I Specialty Crops: Plantation Agriculture to Globalization; (3 credits) Grade Method: REG/P-F/AUD. CORE Life Science (LS) Course. GenEd: Distributive Studies - Natural Sciences; Signature Courses - I-Series.

0101	Christopher Walsh TuTh 3:30pm - 4:45pm Tu 9:30am - 10:45am	Seats (Total: 20) CSS 2324 PLS 1164	 Discussion
0102	Christopher Walsh TuTh 3:30pm - 4:45pm Tu 11:00am - 12:15pm	Seats (Total: 20) CSS 2324 PLS 1164	 Discussion
0103	Christopher Walsh TuTh 3:30pm - 4:45pm Tu 12:30pm - 1:45pm	Seats (Total: 20) CSS 2324 PLS 1164	 Discussion

PLSC201 **Plant Structure and Function**

PLSC201 Plant Structure and Function; (4 credits) Grade Method: REG/P-F/AUD. *Prerequisite: PLSC100; or PLSC101. And CHEM103; or CHEM131. And CHEM132. Formerly: NRSC201.* The relationship between plant structure and function and how the environment influences changes in the physiology to control higher plant growth and development are studied.

0101	Joseph Sullivan MWF 10:00am - 10:50am W 2:00pm - 4:50pm	Seats (Total: 16) PLS 1119 RGC 1111	 Lab
0102	Joseph Sullivan MWF 10:00am - 10:50am Th 2:00pm - 4:50pm	Seats (Total: 16) PLS 1119 RGC 1111	 Lab

PLSC204 **Fundamentals of Agricultural Mechanics**

PLSC204 Fundamentals of Agricultural Mechanics; (3 credits) Grade Method: REG/P-F/AUD.

Credit only granted for: ENBE200 or PLSC204. Formerly: ENBE200. A comprehensive course that teaches the fundamentals of agricultural related mechanics. Lecture and lab exercises will cover the broad range of topics associated with agricultural mechanics including electricity, plumbing, welding processes, and wood and metal working applications. Emphasis will be given to the design and installation of electrical circuits. It will also include project planning and implementation including development of safety protocols for each area of study and introduction of GPS equipment and software for survey data collection.

0101	Roy Walls TuTh 9:00am - 9:50am TuTh 10:00am - 11:50am	Seats (Total: 10) ANS 0504 ANS 0504	 Lab
0201	Roy Walls TuTh 1:00pm - 1:50pm TuTh 2:00pm - 3:50pm	Seats (Total: 10) ANS 0504 ANS 0504	 Lab

PLSC253 **Woody Plants for Mid-Atlantic Landscapes I**

PLSC253 Woody Plants for Mid-Atlantic Landscapes I; (3 credits) Grade Method: REG/P-F/AUD.

Prerequisite: PLSC100. A field and laboratory study of trees, shrubs, and vines used in ornamental plantings. Major emphasis is placed on native deciduous plant materials.

0101	Karen Petroff MF 1:00pm - 1:50pm F 2:00pm - 4:50pm	Seats (Total: 24) PLS 1140 PLS 1153	 Lab
0102	Karen Petroff MF 1:00pm - 1:50pm F 2:00pm - 4:50pm	Seats (Total: 24) PLS 1140 PLS 1140	 Lab
0103	Karen Petroff MF 1:00pm - 1:50pm F 2:00pm - 4:50pm	Seats (Total: 24) PLS 1140 PLS 1140	 Lab

PLSC289I **Greening Cities: Who Wins, Who Loses, and Who Cares?**

PLSC289I Greening Cities: Who Wins, Who Loses, and Who Cares?; (3 credits) Grade Method: REG/P-F/AUD. CORE Interdisciplinary & Emerging Issues (IE) Course. GenEd: Distributive Studies - Scholarship in Practice; Signature Courses - I-Series.

0101	Marla McIntosh	Seats (Total: 60)	
	TuTh 5:00pm - 6:15pm	CSS 2324	

PLSC303 **International Crop Production**

PLSC303 *(PermReq)* **International Crop Production; (3 credits)** Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Prerequisite: BSCI105; or students who have taken courses with similar or comparable course content may contact the department. An introduction to the biological dimension of world hunger. The problems and potentials for increasing world food supply based on current agronomic knowledge. Emphasis on international aspects of food crop production and the interrelationships between agriculture and human populations in the developing world.

0101	Christopher Walsh	Seats (Total: 25)	
	TuTh 3:30pm - 4:45pm	CSS 2324	
	Th 5:00pm - 5:50pm	PLS 1119	Discussion

PLSC305 **Introduction to Turf Management**

PLSC305 Introduction to Turf Management; (3 credits) Grade Method: REG/P-F/AUD.
Principles of turf culture. Identification and uses of turfgrass species; turfgrass fertilization, cultivation, mowing and establishment; and the identification of turf pests.

0101	Mark Carroll, Justin Mathias	Seats (Total: 24)	
	Tu 4:00pm - 6:00pm	PLS 1119	
	Th 4:00pm - 6:00pm	PBR 1102	Lab

PLSC361 **Commercial Principles of Landscape Management**

PLSC361 Commercial Principles of Landscape Management; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: BMGT220; or permission of AGNR-Plant Science & Landscape Architecture department. Corequisite: Concurrently enrolled in PLSC100; or concurrently enrolled in PLSC101. Recommended: LARC160. Credit only granted for: PLSC261 or PLSC361. Formerly: PLSC261. Commercial management practices associated with the landscape build/design and maintenance industry are emphasized. Lectures focus on strategic planning, job cost management, bidding and estimating, marketing, and personnel management. Laboratories and field trips familiarize students with the landscape industry by interfacing with corporations and industry-related term projects. Students must pay a $30.00 laboratory materials fee.

0101	Steven Cohan	Seats (Total: 20)	
	MW 12:00pm - 12:50pm	PLS 1117	
	W 1:00pm - 3:50pm	PLS 1119	Lab

PLSC389 **Internship**

PLSC389 Internship; (1-3 credits) Grade Method: REG/P-F/AUD.

0101	Steven Cohan	Seats (Total: 20)
	W 9:00am - 9:50am	PLS 1119

PLSC399 **Special Problems in Plant Science**

PLSC399 Special Problems in Plant Science; (1-3 credits) Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PLSC415 **Diseases of Trees and Shrubs**

PLSC415 Diseases of Trees and Shrubs; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PLSC100 and PLSC201; or permission of instructor. Credit only granted for: PLSC415 or PLSC489E. Formerly: PLSC489E. Diseases on woody plants commonly planted or native to Mid-Atlantic region. Biology, identification and management of important plant pathogens.

0101	Yilmaz Balci W 1:00pm - 2:50pm W 3:00pm - 5:30pm	Seats (Total: 25) PLS 1117 PLS 1153	 Lab

PLSC420 **Principles of Plant Pathology**

PLSC420 Principles of Plant Pathology; (4 credits) Grade Method: REG/P-F/AUD. *Prerequisite: CHEM131, CHEM132, and PLSC201; or students who have taken courses with similar or comparable course content may contact the department. Formerly: NRSC410.* An introduction to the causal agents, nature and management of plant diseases with particular attention paid to economically important diseases of horticultural and agronomic crops.

0101	Yilmaz Balci TuTh 11:00am - 12:15pm Tu 12:30pm - 3:15pm	Seats (Total: 18) PLS 1111 PLS 1153	 Lab
0102	Yilmaz Balci TuTh 11:00am - 12:15pm Th 12:30pm - 3:15pm	Seats (Total: 18) PLS 1111 PLS 1153	 Lab

PLSC433 **Technology of Fruit and Vegetable Production**

PLSC433 Technology of Fruit and Vegetable Production; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PLSC201, NRSC411, PLSC271, and PLSC202; or students who have taken courses with similar or comparable course content may contact the department. Corequisite: Concurrently enrolled in BSCI442. Recommended: ENST200. Restriction: Junior standing or higher. Credit only granted for: NRSC411 or PLSC433. A critical analysis of research work and application of the principles of plant physiology, chemistry and botany to practical problems in the commercial production of fruit and vegetable crops. Students must pay a $100.00 laboratory materials fee.

0101	Christopher Walsh MW 11:00am - 12:50pm W 1:00pm - 4:50pm	Seats (Total: 10) PLS 1119 PLS 0123	 Lab

PLSC453 **Weed Science**

PLSC453 Weed Science; (3 credits) Grade Method: REG/P-F/AUD.
Weed identification, ecology, and control (cultural, mechanical, biological, and chemical methods).

0101	Donald Glenn	Seats (Total: 50)	
	TuTh 12:30pm - 1:45pm	HJP 1104	
	Tu 2:00pm - 3:50pm	HJP 1104	Lab

PLSC489B **Special Topics in Plant Science; Private and Public Sector Applications**

PLSC489B Special Topics in Plant Science: Private and Public Sector Applications; (1 credit) Grade Method: REG/P-F/AUD.

0101	Steven Cohan	Seats (Total: 5)
	Contact instructor or department for details.	

PLSC489D **Special Topics in Plant Science; Low Maintenance Plant Design**

PLSC489D Special Topics in Plant Science: Low Maintenance Plant Design; (3 credits) Grade Method: REG/P-F/AUD.

0101	Steven Cohan	Seats (Total: 5)
	Contact instructor or department for details.	

PLSC489G **Special Topics in Plant Science; Communications in the Green Industry**

PLSC489G Special Topics in Plant Science: Communications in the Green Industry; (3 credits) Grade Method: REG/P-F/AUD.

0101	Steven Cohan	Seats (Total: 12)
	Contact instructor or department for details.	

PLSC489P **Special Topics in Plant Science; Pro Golf Turf**

PLSC489P *(PermReq)* **Special Topics in Plant Science: Pro Golf Turf; (1-3 credits)** Grade Method: REG/P-F/AUD.

0101	Mark Carroll	Seats (Total: 5)
	Contact instructor or department for details.	

PLSC489R **Special Topics in Plant Science; Agricultural Mechanics**

PLSC489R *(PermReq)* **Special Topics in Plant Science: Agricultural Mechanics; (1-3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ENBE200 or PLSC204; and permission of instructor.

0101	Roy Walls	Seats (Total: 5)	
	TBA	ANS 0504	
	TBA	ANS 0504	Lab

PLSC601 **Plant Genomics**

PLSC601 Plant Genomics; (3 credits) Grade Method: REG/AUD.
Credit only granted for: AGRO601, NRSC601, or PLSC601. Formerly: NRSC601. An advanced course in plant genomics which is the study of genes of plant chromosomes. It will cover current topics in gene mapping, molecular markers, QTLs, gene sequencing, and genetic engineering with special focus on agriculturally important traits.

0101	Jose Costa, Jianhua Zhu	Seats (Total: 15)
	TuTh 3:30pm - 4:45pm	CHE 2116

PLSC608 **Research Methods**

PLSC608 *(PermReq)* **Research Methods; (2 credits)** Grade Method: REG/AUD.
Prerequisite: permission of department. Repeatable to 6 credits if content differs. Credit will be granted for only one of the following: AGRO608, NRSC608, or PLSC608. Formerly NRSC608.

0101	Gary Coleman	Seats (Total: 35)
	Tu 3:30pm - 5:20pm	PLS 1117

PLSC608T **Research Methods; Supervised Teaching**

PLSC608T Research Methods: Supervised Teaching; (2 credits) Grade Method: REG/AUD.

0101	Marla McIntosh	Seats (Total: 5)
	Contact instructor or department for details.	

0102	Donald Glenn	Seats (Total: 5)
	Contact instructor or department for details.	

PLSC689C **Special Topics; Conservation Biology**

PLSC689C Special Topics: Conservation Biology; (1 credit) Grade Method: REG/AUD.

0101	Maile Neel	Seats (Total: 8)
	W 12:00pm - 1:50pm	PLS 2137

PLSC798 **Graduate Seminar**

PLSC798 Graduate Seminar; (1 credit) Grade Method: REG/AUD.

0101	Gary Coleman	Seats (Total: 40)
	M 4:00pm - 5:30pm	PLS 1130

PLSC799 **Master's Thesis Research**

PLSC799 Master's Thesis Research; (1-6 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PLSC898 **Pre-Candidacy Research**

PLSC898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PLSC899 **Doctoral Dissertation Research**

PLSC899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PORT104 **Intensive Elementary Portuguese**

PORT104 Intensive Elementary Portuguese; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Must have appropriate Foreign Language Placement Test (FLPT) score. Covers speaking, reading, writing, listening, and culture of Portuguese-speaking world.

0101	Julia Tomasini	Seats (Total: 25)
	Tu 11:00am - 12:15pm	SYM 0215
	W 11:00am - 11:50am	PLS 1113
	Th 11:00am - 12:15pm	PLS 1113

PORT205 **Intermediate Reading and Conversation**

PORT205 Intermediate Reading and Conversation; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
Prerequisite: PORT204; or permission of ARHU-School of Languages, Literatures, and Cultures department. Development of spoken Portuguese at intermediate level based on written assignments and exams on readings in a variety of genres.

0101	Regina Igel	Seats (Total: 20)
	TuTh 11:00am - 12:15pm	JMZ 1215

PORT223 **Portuguese Culture**

PORT223 Portuguese Culture; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
Political, social, intellectual, and literary forces shaping culture of contemporary Portugal from the formation of the country to the present. Taught in English.

0101	Regina Igel	Seats (Total: 30)
	TuTh 12:30pm - 1:45pm	JMZ 2206

PORT234 **Issues in Latin American Studies I**

PORT234 Issues in Latin American Studies I; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - History and Social Sciences or Distributive Studies - Humanities; Diversity - Understanding Plural Societies.
Also offered as: SPAN234, LASC234. Credit only granted for: PORT234, or SPAN234, or LASC234. Interdisciplinary study of major issues in Latin America and the Caribbean, including Latin America's cultural mosaic, migration and urbanization. Democratization and the role of religions. Taught in English.

0101	Talia Guzman-Gonzalez TuTh 2:00pm - 3:15pm	Seats (Total: 35) JMZ 2206
0201	Beatrice Gurwitz MW 11:00am - 12:15pm	Seats (Total: 30) HBK 0115

PORT386 **Experiential Learning**

PORT386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Restriction: Permission of ARHU-School of Languages, Literatures, and Cultures department; and Junior standing or higher.

Contact department for information to register for this course.

PORT399 **Independent Study in Portuguese**

PORT399 *(PermReq)* **Independent Study in Portuguese; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PSYC Psychology Fall 2012

PSYC100 **Introduction to Psychology**

The following courses may involve the use of animals. Students who are concerned about the use of animals in teaching have the responsibility to contact the instructor, prior to course enrollment, to determine whether animals are to be used in the course, whether class exercises involving animals are optional or required and what alternatives, if any, are available.

The Department of Psychology enforces course prerequisites. Students who do not meet the course prerequisites will be administratively dropped from the course.

PSYC100 Introduction to Psychology; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. GenEd: Distributive Studies - History and Social Sciences or Distributive Studies - Natural Sciences.

A basic introductory course, intended to bring the student into contact with the major problems confronting psychology and the more important attempts at their solution. Discussion sections do not meet until after first lecture. Research requirement: may involve participation in research. Click here for sample course syllabus.

0101	Ryan Curtis	Seats (Total: 19)	
	TuTh 3:30pm - 4:20pm	BPS 1250	
	F 10:00am - 10:50am	BPS 1234	Discussion
	Class time/details on ELMs	ONLINE	Discussion
0102	Ryan Curtis	Seats (Total: 19)	
	TuTh 3:30pm - 4:20pm	BPS 1250	
	F 10:00am - 10:50am	BPS 1234	Discussion
	Class time/details on ELMs	ONLINE	Discussion
0103	Ryan Curtis	Seats (Total: 19)	
	TuTh 3:30pm - 4:20pm	BPS 1250	
	F 11:00am - 11:50am	BPS 1234	Discussion
	Class time/details on ELMs	ONLINE	Discussion
0104	Ryan Curtis	Seats (Total: 19)	
	TuTh 3:30pm - 4:20pm	BPS 1250	
	F 11:00am - 11:50am	BPS 1234	Discussion
	Class time/details on ELMs	ONLINE	Discussion
0105	Ryan Curtis	Seats (Total: 19)	
	TuTh 3:30pm - 4:20pm	BPS 1250	
	F 12:00pm - 12:50pm	BPS 1234	Discussion
	Class time/details on ELMs	ONLINE	Discussion

0106	Ryan Curtis	Seats (Total: 19)	
	TuTh 3:30pm - 4:20pm	BPS 1250	
	F 12:00pm - 12:50pm	BPS 1234	Discussion
	Class time/details on ELMs	ONLINE	Discussion
0107	Ryan Curtis	Seats (Total: 20)	
	TuTh 3:30pm - 4:20pm	BPS 1250	
	F 1:00pm - 1:50pm	BPS 1234	Discussion
	Class time/details on ELMs	ONLINE	Discussion
0108	Ryan Curtis	Seats (Total: 20)	
	TuTh 3:30pm - 4:20pm	BPS 1250	
	F 1:00pm - 1:50pm	BPS 1234	Discussion
	Class time/details on ELMs	ONLINE	Discussion
0201	Ryan Curtis	Seats (Total: 19)	
	TuTh 4:30pm - 5:20pm	BPS 1250	
	F 10:00am - 10:50am	BPS 1124	Discussion
	Class time/details on ELMs	ONLINE	Discussion
0202	Ryan Curtis	Seats (Total: 19)	
	TuTh 4:30pm - 5:20pm	BPS 1250	
	F 10:00am - 10:50am	BPS 1124	Discussion
	Class time/details on ELMs	ONLINE	Discussion
0203	Ryan Curtis	Seats (Total: 19)	
	TuTh 4:30pm - 5:20pm	BPS 1250	
	F 11:00am - 11:50am	BPS 1124	Discussion
	Class time/details on ELMs	ONLINE	Discussion
0204	Ryan Curtis	Seats (Total: 19)	
	TuTh 4:30pm - 5:20pm	BPS 1250	
	F 11:00am - 11:50am	BPS 1124	Discussion
	Class time/details on ELMs	ONLINE	Discussion
0205	Ryan Curtis	Seats (Total: 19)	
	TuTh 4:30pm - 5:20pm	BPS 1250	
	F 12:00pm - 12:50pm	BPS 1124	Discussion
	Class time/details on ELMs	ONLINE	Discussion

0206	Ryan Curtis	Seats (Total: 19)	
	TuTh 4:30pm - 5:20pm	BPS 1250	
	F 12:00pm - 12:50pm	BPS 1124	Discussion
	Class time/details on ELMs	ONLINE	Discussion
0207	Ryan Curtis	Seats (Total: 20)	
	TuTh 4:30pm - 5:20pm	BPS 1250	
	F 1:00pm - 1:50pm	BPS 1124	Discussion
	Class time/details on ELMs	ONLINE	Discussion
0208	Ryan Curtis	Seats (Total: 20)	
	TuTh 4:30pm - 5:20pm	BPS 1250	
	F 1:00pm - 1:50pm	BPS 1124	Discussion
	Class time/details on ELMs	ONLINE	Discussion
0339	Kevin Murnane	Seats (Total: 25)	
	TuTh 3:30pm - 4:45pm	BRB 1101	
	M 1:00pm - 1:50pm	BPS 1238	Discussion
0340	Kevin Murnane	Seats (Total: 25)	
	TuTh 3:30pm - 4:45pm	BRB 1101	
	W 1:00pm - 1:50pm	BPS 1232	Discussion
0341	Kevin Murnane	Seats (Total: 25)	
	TuTh 3:30pm - 4:45pm	BRB 1101	
	M 9:00am - 9:50am	BPS 1236	Discussion
0342	Kevin Murnane	Seats (Total: 25)	
	TuTh 3:30pm - 4:45pm	BRB 1101	
	M 11:00am - 11:50am	BPS 1124	Discussion
0343	Kevin Murnane	Seats (Total: 25)	
	TuTh 3:30pm - 4:45pm	BRB 1101	
	F 2:00pm - 2:50pm	BPS 1234	Discussion
0344	Kevin Murnane	Seats (Total: 25)	
	TuTh 3:30pm - 4:45pm	BRB 1101	
	F 9:00am - 9:50am	BPS 1238	Discussion
0345	Kevin Murnane	Seats (Total: 25)	
	TuTh 3:30pm - 4:45pm	BRB 1101	
	W 10:00am - 10:50am	BPS 1232	Discussion

0346	Kevin Murnane TuTh 3:30pm - 4:45pm Th 12:30pm - 1:20pm	Seats (Total: 25) BRB 1101 BPS 1234	Discussion
FC01	Scott Roberts MW 7:30pm - 8:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 35) BPS 0283	
FC02	Scott Roberts MW 6:00pm - 7:15pm *Restricted to students in Freshman Connection.*	Seats (Total: 35) BPS 0283	

PSYC100H **Introduction to Psychology**

PSYC100H Introduction to Psychology; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. GenEd: Distributive Studies - History and Social Sciences or Distributive Studies - Natural Sciences.
A basic introductory course, intended to bring the student into contact with the major problems confronting psychology and the more important attempts at their solution. Open to Honors students only. Click here for sample course syllabus.

0101	Kevin McGann TuTh 5:00pm - 6:15pm	Seats (Total: 25) HBK 1108	

PSYC200 **Statistical Methods in Psychology**

PSYC200 Statistical Methods in Psychology; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Fundamental Studies - Analytic Reasoning.
Prerequisite: PSYC100; and 1 course with a minimum grade of C- from (MATH220, STAT100, MATH111, MATH130, MATH140). Credit only granted for: BIOM301, BMGT230, CCJS200, ECON321, EDMS451, GEOG306, GVPT422, PSYC200, or SOCY201. A basic introduction to quantitative methods used in psychological research. Restricted to PSYC, ENSP and BSCI majors. All other majors require permission in BPS 1107. Click here for sample course syllabus.

0101	Jonathan Mohr TuTh 8:00am - 9:15am F 9:00am - 9:50am	Seats (Total: 28) BPS 1250 BPS 1236	Discussion

0102	Jonathan Mohr TuTh 8:00am - 9:15am F 11:00am - 11:50am	Seats (Total: 28) BPS 1250 BPS 1236	Discussion
0103	Jonathan Mohr TuTh 8:00am - 9:15am F 2:00pm - 2:50pm	Seats (Total: 28) BPS 1250 BPS 0283	Discussion
0104	Jonathan Mohr TuTh 8:00am - 9:15am F 10:00am - 10:50am	Seats (Total: 28) BPS 1250 BPS 1238	Discussion
0105	Jonathan Mohr TuTh 8:00am - 9:15am F 1:00pm - 1:50pm	Seats (Total: 28) BPS 1250 BPS 1236	Discussion
0201	Tracy Tomlinson TuTh 9:30am - 10:45am F 9:00am - 9:50am	Seats (Total: 28) BPS 1250 BPS 0140	Discussion
0202	Tracy Tomlinson TuTh 9:30am - 10:45am F 10:00am - 10:50am	Seats (Total: 28) BPS 1250 BPS 0140	Discussion
0203	Tracy Tomlinson TuTh 9:30am - 10:45am F 11:00am - 11:50am	Seats (Total: 28) BPS 1250 BPS 0140	Discussion
0204	Tracy Tomlinson TuTh 9:30am - 10:45am F 2:00pm - 2:50pm	Seats (Total: 28) BPS 1250 BPS 0140	Discussion
0205	Tracy Tomlinson TuTh 9:30am - 10:45am F 1:00pm - 1:50pm	Seats (Total: 28) BPS 1250 BPS 0140	Discussion

PSYC206 Developmental Biopsychology

PSYC206 Developmental Biopsychology; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PSYC100. Biological basis of behavioral development in relation to genetic, constitutional, anatomical, physiological, and environmental factors. Emphasis upon both phylogenetic and ontogenetic research findings in biological psychology. For PSYC majors only.

0101	Steven Brauth TuTh 12:30pm - 1:45pm	Seats (Total: 30) BPS 1232

PSYC221 **Social Psychology**

PSYC221 Social Psychology; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. GenEd: Distributive Studies - History and Social Sciences or Distributive Studies - Scholarship in Practice.
Prerequisite: PSYC100. The influence of social factors on the individual and on interpersonal behavior. Includes topics such as conformity, attitude change, person perception, interpersonal attraction, and group behavior. Click here for sample course syllabus.

0101	Dylan Selterman MWF 1:00pm - 1:50pm	Seats (Total: 150) BPS 1250
0201	Dylan Selterman MWF 2:00pm - 2:50pm	Seats (Total: 150) BPS 1250
FC01	Dylan Selterman TuTh 5:00pm - 6:15pm *Restricted to students in Freshman Connection.*	Seats (Total: 31) BPS 1243

PSYC238A **Special Topics in Study Abroad II; Qualitative Research Methods**
Contact department for information to register for this course.

PSYC289E **Psychology of Evil**

PSYC289E Psychology of Evil; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. GenEd: Distributive Studies - History and Social Sciences; Signature Courses - I-Series.
Why is there evil in the world? Are some born evil, or do social, environmental and cultural forces create evil? What makes otherwise good people do evil things? The scientific study of evil epitomizes the fundamental challenge that psychology faces in dissecting the role of biology (nature) and the social context (nurture). Click here for more course information.

0101	Scott Roberts TuTh 2:00pm - 3:15pm	Seats (Total: 123) BPS 1250	

PSYC300 **Research Methods in Psychology Laboratory**

PSYC300 Research Methods in Psychology Laboratory; (4 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Scholarship in Practice. *Prerequisite: PSYC200. Restriction: Must be in Psychology program. Credit only granted for: PSYC300 or PSYC309R. Formerly: PSYC309R.* A general introduction and overview to the fundamental theoretical, conceptual, and practical issues in psychological research in both the laboratory and the field. For PSYC majors only.

0101	Charles Stangor MW 1:00pm - 1:50pm W 2:00pm - 3:50pm	Seats (Total: 16) BPS 1243 BPS 1103	Discussion
0102	Charles Stangor MW 1:00pm - 1:50pm Th 10:00am - 11:50am	Seats (Total: 16) BPS 1243 HJP 1125	Discussion
0103	Charles Stangor MW 1:00pm - 1:50pm Th 2:00pm - 3:50pm	Seats (Total: 16) BPS 1243 BPS 1228	Discussion
0104	Charles Stangor MW 1:00pm - 1:50pm F 10:00am - 11:50am	Seats (Total: 16) BPS 1243 CHM 1228	Discussion
0105	Charles Stangor MW 1:00pm - 1:50pm Th 12:00pm - 1:50pm	Seats (Total: 16) BPS 1243 PLS 1158	Discussion

0106	Charles Stangor MW 1:00pm - 1:50pm F 2:00pm - 3:50pm	Seats (Total: 16) BPS 1243 HJP 1125	Discussion
0201	Catalina Kopetz MW 12:00pm - 12:50pm W 2:00pm - 3:50pm	Seats (Total: 16) BPS 1243 BPS 1232	Discussion
0202	Catalina Kopetz MW 12:00pm - 12:50pm F 10:00am - 11:50am	Seats (Total: 16) BPS 1243 BPS 1232	Discussion
0203	Catalina Kopetz MW 12:00pm - 12:50pm F 12:00pm - 1:50pm	Seats (Total: 16) BPS 1243 BPS 1232	Discussion
0204	Catalina Kopetz MW 12:00pm - 12:50pm F 2:00pm - 3:50pm	Seats (Total: 16) BPS 1243 BPS 1232	Discussion
0205	Catalina Kopetz MW 12:00pm - 12:50pm W 4:00pm - 5:50pm	Seats (Total: 16) BPS 1243 BPS 1232	Discussion
0206	Catalina Kopetz MW 12:00pm - 12:50pm F 12:00pm - 1:50pm	Seats (Total: 16) BPS 1243 PLS 1162	Discussion

PSYC301 **Biological Basis of Behavior**

PSYC301 Biological Basis of Behavior; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: PSYC100 and BSCI105.* An introduction to the anatomical structures and physiological processes that determine behavior. After a study of the basic functioning of the nervous system, the course will examine the acquisition and processing of sensory information, the neural control of movement, and the biological bases of complex behaviors such as sleep, learning, memory, sex, language, and addiction. Restricted to PSYC (major code 20010) students only. Click here for sample course syllabus.

0101	Frank Hall MW 5:00pm - 6:15pm	Seats (Total: 150) BPS 1250	

PSYC309C **Special Topics in Psychology**

PSYC309C Special Topics in Psychology; (1 credit) Grade Method: REG/P-F/AUD. An investigation of various career and graduate school opportunities available to psychology majors. Students will learn about a wide range of career fields, will learn how to utilize available resources to pursue career goals, and will take steps to advance their professional identity and development. Restricted to PSYC (major code 20010) students only.

0101	Kevin McGann	Seats (Total: 20)	
	W 2:30pm - 3:30pm	BPS 1124	Discussion

PSYC309E **Special Topics in Psychology; Topics in Neural Systems and Behavior**

PSYC309E *(PermReq)* **Special Topics in Psychology: Topics in Neural Systems and Behavior; (1 credit)** Grade Method: REG/P-F/AUD.
A discussion of readings in systems neuroscience and animal behavior to provide a foundation for students pursuing research projects in the Auditory Neuroethology lab. Permission of instructor required.

0101	Cynthia Moss	Seats (Total: 10)
	Contact instructor or department for details.	

PSYC309K **Special Topics in Psychology; Forensic Psychology**
Contact department for information to register for this course.

PSYC309L **Special Topics in Psychology; Personality and Social Psychology**
Contact department for information to register for this course.

PSYC309M **Special Topics in Psychology; Cognitive Psychology**
Contact department for information to register for this course.

PSYC309N **Special Topics in Psychology; Introduction to Functional Magnetic Resonance Imaging**

PSYC309N Special Topics in Psychology: Introduction to Functional Magnetic Resonance Imaging; (3 credits) Grade Method: REG/P-F.
Prerequisite: PSYC200 and PSYC301. For PSYC majors only. This course introduces students to functional magnetic resonance imaging (fMRI). The course teaches students how to formulate testable hypotheses with fMRI, the basic methods utilized in fMRI studies, and limitations of existing fMRI studies in the literature. Restricted to PSYC majors only.

0101	Luiz Pessoa	Seats (Total: 20)
	TuTh 11:00am - 12:15pm	BPS 1140

PSYC309P **Special Topics in Psychology; Political Psychology**

PSYC309P Special Topics in Psychology: Political Psychology; (3 credits) Grade Method: REG/P-F/AUD.
Restricted to PSYC majors only. Prerequisite: PSYC100, PSYC200. Explores the psychological underpinnings of political behavior at the level of both the ordinary citizen and the political elite. Seminal theory and research in the interdisciplinary field of political psychology will be covered, with an emphasis placed on applications of this work to current issues and events, such as the 2012 election cycle.Topics surveyed include voting; ideology, attitudes, and public opinion; the role of the media; the political psychology of race and ethnicity, groups, and social movements; and political extremism and violence.

0101	Anna Sheveland	Seats (Total: 40)
	TuTh 9:30am - 10:45am	BPS 1238

PSYC310 **Perception**

PSYC310 Perception; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PSYC100; and (CHEM103, PHYS121, BSCI106, or BSCI105). Restriction: Must not have completed PSYC410. A survey of phenomena and theories of perception including psychological, anatomical, physiological, and environmental factors important in determining how we perceive the world. Historical background will be examined as well as contemporary research.

0101	Thomas Carlson	Seats (Total: 150)
	MW 3:30pm - 4:45pm	BPS 1250

PSYC318D **Community Interventions: Theory and Research; Community Interventions: Domestic Violence**

PSYC318D Community Interventions: Theory and Research: Community Interventions: Domestic Violence; (3 credits) Grade Method: REG/P-F/AUD.
For PSYC majors only. Theories and research related to domestic violence and interventions with abused women will be studied, and students will think critically regarding ethical and multicultural issues related to domestic violence. Community resources and strategies for ending domestic violence in the United States will be discussed. Restricted to PSYC majors only.

0101	Karen O'Brien	Seats (Total: 35)
	MW 8:00am - 9:15am	BPS 1124

PSYC330 **Child Psychopathology**

PSYC330 Child Psychopathology; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PSYC100. Restriction: Must be in Psychology program. Credit only granted for: PSYC309B or PSYC330. Formerly: PSYC309B. Etiology, diagnosis, prevention and treatment of emotional disorders of childhood and adolescence. For PSYC majors only.

0101	Andrea Chronis-Tuscano	Seats (Total: 100)
	TuTh 11:00am - 12:15pm	CHM 1407

PSYC332 **Psychology of Human Sexuality**
Contact department for information to register for this course.

PSYC334 **Psychology of Interpersonal Relationships**

PSYC334 Psychology of Interpersonal Relationships; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PSYC100. Research, theory and their practical applications pertaining to the development, maintenance and dissolution of human relationships. Processes critical to successful relating (e.g., communication, bargaining, conflict resolution), and issues associated with troubled dyadic relations with equal partners (e.g., jealousy, spouse abuse, divorce). Restricted to PSYC (major code 20010) students only. Click here for sample course syllabus.

0101	Ryan Curtis	Seats (Total: 150)
	TuTh 9:30am - 10:45am	BRB 1101

PSYC336 **Psychology of Women**

PSYC336 Psychology of Women; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course. GenEd: Distributive Studies - History and Social Sciences. *Prerequisite: PSYC100. Also offered as: WMST336. Credit only granted for: PSYC336 or WMST336.* A survey of the biology, life span development, socialization, personality, mental health, and special issues of women. Restricted to undergraduate PSYC students only. Click here for sample course syllabus.

0201	Sarah Piontkowski	Seats (Total: 110)
	MW 5:00pm - 6:15pm	BPS 1243

PSYC338D **Special Topics in Study Abroad III; Developmental Disorders**
Contact department for information to register for this course.

PSYC338G **Special Topics in Study Abroad III; The Social Brain: Neuropsychology of Social Behaviors**
Contact department for information to register for this course.

PSYC338I **Special Topics in Study Abroad III; Behavioral Neuroscience**
Contact department for information to register for this course.

PSYC338N **Special Topics in Study Abroad III; Neuroscience of Fear**
Contact department for information to register for this course.

PSYC341 **Introduction to Memory and Cognition**

PSYC341 Introduction to Memory and Cognition; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PSYC200 and PSYC300. An introduction to the basic models, methods of research, and findings in memory, problem-solving, and language and their applications. Restricted to PSYC (major code 20010) students only. Click here for sample course syllabus.

0101	Kevin Murnane, Erika Hussey	Seats (Total: 110)
	TuTh 12:30pm - 1:45pm	BPS 1243

PSYC353 **Adult Psychopathology**

PSYC353 Adult Psychopathology; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: PSYC200. Restriction: Must be in Psychology program.* The nature, diagnosis, etiology, and treatment of mental disorders. Restricted to undergraduate PSYC students only. Click here for sample course syllabus.

0101	Richard Yi TuTh 5:00pm - 6:15pm	Seats (Total: 300) BRB 1101

PSYC354 **Cross-Cultural Psychology**

PSYC354 Cross-Cultural Psychology; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course. GenEd: Distributive Studies - History and Social Sciences.
Prerequisite: PSYC100. Cultural components in theory and research in personality, social, and community psychology. Interplay of individual, ethnic, and cultural factors in psychosocial growth and well-being, cross-cultural and cross-ethnic communication, and counseling and psychotherapeutic interactions. Click here for sample course syllabus.

0101	Susan Lee MWF 11:00am - 11:50am	Seats (Total: 150) BPS 1250

PSYC355 **Developmental Psychology**

PSYC355 Developmental Psychology; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: PSYC100.* Survey of research and theory of psychological development from conception through childhood, stressing physiological, conceptual and behavioral changes, and the social and biological context in which individuals develop. Restricted to undergraduate PSYC students only. Click here for sample course syllabus.

0101	Leslie Rollins TuTh 11:00am - 12:15pm	Seats (Total: 115) BPS 1243
SG91	Rebecca Morse TuTh 11:00am - 12:15pm	Seats (Total: 40) Location: TBA
	Registration is restricted to CCJS-Shady Grove majors. Permission is required for all other students to enroll in courses at Shady Grove. Please email ccjsusg@umd.edu for permission.	

PSYC361 **Survey of Industrial and Organizational Psychology**

PSYC361 Survey of Industrial and Organizational Psychology; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PSYC100. A general survey of the field of industrial organizational psychology including such topics as organizational entry (recruitment, selection, training, socialization); organizational psychology (motivation, leadership, job attitudes); and productivity in the work place (performance appraisal, absenteeism, turnover). The role that the larger environment plays in influencing work behaviors and work attitudes. Restricted to PSYC (major code 20010) students only. Click here for sample course syllabus.

0101	Margaret Miller	Seats (Total: 111)
	TuTh 8:00am - 9:15am	CSS 2324

PSYC362 **Introduction to Negotiation**

PSYC362 Introduction to Negotiation; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PSYC221 or PSYC361; or permission of BSOS-Psychology department. Restriction: Must be in Psychology program. Credit only granted for: PSYC309F or PSYC362. Formerly: PSYC309F. Additional information: Restricted to PSYC majors during preregistration. Overview of the field of negotiation and the social-psychological and contextual factors that facilitate and inhibit successful negotiation agreements. Students will engage in a variety of negotiation exercises individually and as a team. This course requires a $30 materials fee per student. Click here for sample course syllabus.

0101	Elizabeth Salmon	Seats (Total: 36)
	Tu 3:30pm - 6:00pm	PLS 1111

PSYC389 **Experiential Learning**

PSYC389 *(PermReq)* **Experiential Learning; (1-6 credits)** Grade Method: REG/P-F/AUD.
For PSYC majors only. A course for undergraduate psychology majors to earn academic credit for an approved psychology-related internship experience. Information about the course may be obtained in BPS1107, or by contacting the instructor. Restricted to PSYC majors only.

0101	Steven Young	Seats (Total: 20)
	Contact instructor or department for details.	

PSYC402 **Neural Systems and Behavior**

PSYC402 Neural Systems and Behavior; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: PSYC301. Additional information: Priority is given to PSYC majors.* Research on the physiological basis of behavior, including considerations of sensory phenomenon, motor coordination, emotion, drives, and the neurological basis of memory.

0101	Steven Brauth	Seats (Total: 35)
	TuTh 2:00pm - 3:15pm	BPS 1238

PSYC403 **Animal Behavior**

PSYC403 Animal Behavior; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: PSYC301.* Reviews the theoretical framework underlying the study of animal behavior. The genetic, hormonal and physiological basis of behavior, and the relation to ecological and evolutionary processes will be discussed using examples that range from invertebrate animals to humans. Click here for sample course syllabus.

0101	Jens Herberholz	Seats (Total: 40)
	TuTh 2:00pm - 3:15pm	BPS 0283

PSYC407 **Behavioral Neurobiology Laboratory**

PSYC407 *(PermReq)* **Behavioral Neurobiology Laboratory; (4 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: PSYC300 and PSYC301. Restriction: Must be in Psychology program; and must have earned a minimum of 85 credits. Laboratory exercises introducing concepts and techniques of behavioral neurobiology. Activities emphasize design of neurobiology experiments, hands-on experience with behavioral and neurobiological techniques, data collection, and analysis of the results. Most exercises use living animals. Permission required (contact professor, ddyager@umd.edu) Click here for sample course syllabus.

0101	David Yager MW 9:00am - 9:50am M 2:00pm - 5:00pm	Seats (Total: 8) PLS 1117 BPS 0263	 Lab
0201	David Yager MW 9:00am - 9:50am W 2:00pm - 5:00pm	Seats (Total: 8) PLS 1117 BPS 0263	 Lab
0301	David Yager MW 9:00am - 9:50am Tu 2:00pm - 5:00pm	Seats (Total: 8) PLS 1117 BPS 0263	 Lab

PSYC409 **Topics in Neurosciences Seminar**

PSYC409 *(PermReq)* **Topics in Neurosciences Seminar; (1 credit)** Grade Method: S-F.
For students in the neuroscience minor. Research presentations on selected topics in neuroscience. Review and discussion of background readings related to research presentations take place on alternate weeks. Restricted to students in the neuroscience minor. Click here for sample course syllabus.

0101	Erica Glasper Andrews, Catherine Carr Tu 4:00pm - 6:30pm	Seats (Total: 18) BPS 1140/2	

PSYC420 **Experimental Psychology: Social Psychology Laboratory**

PSYC420 Experimental Psychology: Social Psychology Laboratory; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PSYC300 and PSYC221. Restriction: Must be in Psychology program; and must have earned a minimum of 85 credits. A laboratory course to provide a basic understanding of experimental method in social psychology and experience in conducting research on social processes. Restricted to PSYC (major code 20010) students only. Click here for sample course syllabus.

0101	Dylan Selterman MW 10:00am - 10:50am F 8:00am - 9:50am	Seats (Total: 15) BPS 1236 EGR 0135	 Lab

0102	Dylan Selterman MW 10:00am - 10:50am F 10:00am - 11:50am	Seats (Total: 15) BPS 1236 EGR 0135	 Lab
0103	Dylan Selterman MW 10:00am - 10:50am Th 12:00pm - 1:50pm	Seats (Total: 15) BPS 1236 BPS 3132	 Lab
0201	Jocelyn Belanger MW 11:00am - 11:50am F 12:00pm - 1:50pm	Seats (Total: 15) SPH 1302 CHE 2136	 Lab
0202	Jocelyn Belanger MW 11:00am - 11:50am F 2:00pm - 3:50pm	Seats (Total: 15) SPH 1302 BPS 1238	 Lab
0203	Jocelyn Belanger MW 11:00am - 11:50am Th 2:00pm - 3:50pm	Seats (Total: 15) SPH 1302 Location: TBA	 Lab

PSYC425 **Psychology and Law**

PSYC425 Psychology and Law; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: PSYC100, PSYC200, and PSYC300. Restriction: Must be in Psychology program. Credit only granted for: PSYC309K, PSYC325, or PSYC425. Formerly: PSYC309K.* An introduction to the intersection of psychology and the criminal justice sytem, known as the field of legal psychology. The material covered will span the course of the criminal justice process and examine each aspect from a psychological perspective beginning with profiling and moving on to eyewitness memory and judgements through perpetrator memories and interrogation techniques. These apsects will be evaluated with a research lens as well as an applied outlook.

0101	Tracy Tomlinson TuTh 2:00pm - 3:15pm	Seats (Total: 30) BPS 1232	

PSYC432 **Counseling Psychology: Theories, Research, and Practice**

PSYC432 Counseling Psychology: Theories, Research, and Practice; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PSYC200. Analysis of research and intervention strategies developed and used by counseling psychologists. Historical and current trends in content and methodology. Restricted to undergraduate PSYC majors only. Click here for sample course syllabus.

0201	Cristina Risco MW 10:30am - 11:45am	Seats (Total: 40) BPS 1238	
0301	Andres Perez Rojas TuTh 9:30am - 10:45am	Seats (Total: 40) HBK 0105	

PSYC433 **Basic Helping Skills: Research and Practice**

PSYC433 Basic Helping Skills: Research and Practice; (4 credits) Grade Method: REG.
Prerequisite: PSYC300; and (PSYC434, PSYC334, PSYC353, PSYC435, PSYC436, or PSYC432). Restriction: Must be in Psychology program; and must have earned a minimum of 85 credits. Theories and research regarding effective helping skills. Students will practice helping skills with each other and will conduct research projects evaluating their helping skills. Students should be willing to talk about personal issues in class. Because of the participatory nature of this class, attendance normally will be included in the computation of grades. Restricted to undergraduate PSYC majors who have completed 85 credits. Click here for sample course syllabus.

0101	Sara Ericson Tu 4:30pm - 6:30pm Th 4:30pm - 6:30pm	Seats (Total: 12) BPS 1236 BPS 1228	 Lab
0102	Sara Ericson Tu 4:30pm - 6:30pm Th 4:30pm - 6:30pm	Seats (Total: 12) BPS 1236 BPS 0283	 Lab
0201	Tsz-Yeung Chui M 4:00pm - 5:50pm W 4:00pm - 6:00pm	Seats (Total: 12) BPS 1236 BPS 1228	 Lab

0202	Tsz-Yeung Chui M 4:00pm - 5:50pm W 4:00pm - 6:00pm	Seats (Total: 12) BPS 1236 BPS 1124	 Lab
0301	Beatriz Palma Orellana W 4:00pm - 5:50pm M 4:00pm - 6:00pm	Seats (Total: 12) BPS 1236 SYM 0209	 Lab
0302	Beatriz Palma Orellana W 4:00pm - 5:50pm M 4:00pm - 6:00pm	Seats (Total: 12) BPS 1236 PLS 1111	 Lab

PSYC435 **Theories of Personality and Psychotherapy**
Contact department for information to register for this course.

PSYC436 **Introduction to Clinical Psychology: From Science to Practice**

PSYC436 Introduction to Clinical Psychology: From Science to Practice; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PSYC300. Critical analysis of clinical psychology, with particular emphasis on current developments and trends. Restricted to undergraduate PSYC majors only. Click here for sample course syllabus.

0101	Andres De Los Reyes MWF 9:00am - 9:50am	Seats (Total: 75) BPS 1250	

PSYC440 **Experimental Psychology: Cognitive Processes**

PSYC440 Experimental Psychology: Cognitive Processes; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PSYC341 and PSYC300. Restriction: Must be in Psychology program; and must have earned a minimum of 85 credits. A survey of the content, models, and methods in cognitive psychology with an emphasis on auditory and visual pattern recognition, information processing, attention, memory, learning, problem solving, and language.

0101	Tracy Tomlinson TuTh 12:30pm - 1:45pm W 1:00pm - 3:00pm	Seats (Total: 18) BPS 1124 BPS 0140	 Lab

0102	Tracy Tomlinson	Seats (Total: 18)	
	TuTh 12:30pm - 1:45pm	BPS 1124	
	W 3:00pm - 5:00pm	BPS 0140	Lab

PSYC445 **The Psychology of Video Games and Entertainment**

PSYC445 The Psychology of Video Games and Entertainment; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PSYC200. Restriction: Must be in Psychology program; or permission of BSOS-Psychology department. Credit only granted for: PSYC309V or PSYC445. Formerly: PSYC309V. An exploration of the diverse elements and theories in the psychology of video games and entertainment. The history and taxonomy of video games, cognitive and affective elements, virtual reality and social presence, video game violence, and educational and ethical issues will be covered. For PSYC majors only.

0101	Kent Norman	Seats (Total: 36)
	MWF 2:00pm - 2:50pm	PLS 1129

PSYC450 **Field Research in Organizational Psychology**

PSYC450 Field Research in Organizational Psychology; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PSYC300 and PSYC361. Restriction: Must be in Psychology program; and must have earned a minimum of 85 credits. Methods of field research applicable to organizational settings are examined, including field experiments and quasi-experiments, observation, interviewing, surveys, content analysis, and various forms of qualitative inquiry. Restricted to PSYC (major code 20010) students only. Course will involve one additional hour of field contact, to be arranged. Click here for sample course syllabus.

0101	Monisha Nag	Seats (Total: 24)
	MW 5:00pm - 6:15pm	PLS 1146
	Contact instructor or department for details.	

PSYC457 **Consensual Qualitative Research Methods Laboratory**

PSYC457 *(PermReq)* **Consensual Qualitative Research Methods Laboratory; (4 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: PSYC200 and PSYC300; and permission of BSOS-Psychology department. Restriction: Must be in Psychology program; and must have earned a minimum of 85 credits. Credit only granted for: PSYC457 or PSYC498H (taken in Fall 2010 or Fall 2011). Formerly: PSYC498H. An exploration of philosophy of science and methods involved in qualitative research methods in counseling psychology, along with a comparison to quantitative research methods. The laboratory component involves conducting a qualitative study, including reviewing the literature, designing an interview protocol, training to conduct interviews, conducting interviews, analyzing the data, and writing a manuscript.

0101	Clara Hill	Seats (Total: 10)
	TuTh 2:00pm - 4:00pm	BPS 2145

PSYC469H **Honors Thesis Proposal Preparation**

PSYC469H *(PermReq)* **Honors Thesis Proposal Preparation; (3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Restricted to undergraduate PSYC majors only.

Contact department for information to register for this course.

PSYC478 **Independent Study in Psychology**

PSYC478 *(PermReq)* **Independent Study in Psychology; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Information about independent study may be obtained in BPS 1107. Restricted to PSYC majors (20010) only. The student must have completed 9 hours in PSYC with at least a 3.0 GPA in PSYC and a 2.8 overall GPA. Click here for more course information.

Contact department for information to register for this course.

PSYC479 **Special Research Problems in Psychology**

PSYC479 *(PermReq)* **Special Research Problems in Psychology; (1-3 credits)**
Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Information about research credit may be obtained in BPS 1107. Restricted to PSYC majors (20010) only. The student must have completed 9 hours in PSYC with at least a 3.0 GPA in PSYC and a 2.8 overall GPA. Click here for more course information.

Contact department for information to register for this course.

PSYC488H **Advanced Psychology I (Honors); Psychological Research on the Internet: Issues and Methods**

PSYC488H *(PermReq)* **Advanced Psychology I (Honors): Psychological Research on the Internet: Issues and Methods; (3 credits)** Grade Method: REG/P-F/AUD.
For PSYC majors only. This course will cover techniques for hosting experiments online, web page design, html, javascript, web databases, experimental design considerations, ethical issues and concerns, sampling methods and issues, data reliability, data filtering, and data warehousing. Students will be involved in a project of setting up an online experiment, collecting data, and writing up the results for online dissemination. Restricted to PSYC majors only.

0101	Kent Norman	Seats (Total: 15)
	Th 2:00pm - 4:30pm	BPS 1112

PSYC489A **Advanced Special Topics in Psychology; Human Factors**

PSYC489A Advanced Special Topics in Psychology: Human Factors; (3 credits)
Grade Method: REG/P-F/AUD.
An overview of human factors psychology, which is an applied science that incorporates principles of human behavior, performance, and cognition into the design, evaluation, and improvement of simple and complex systems. Restricted to PSYC (major code 20010) students only. Click here for more course information.

0101	Ian Reagan	Seats (Total: 20)
	TuTh 6:15pm - 7:45pm	BPS 1238

PSYC489C **Advanced Special Topics in Psychology; Early Social Cognition**

PSYC489C Advanced Special Topics in Psychology: Early Social Cognition; (3 credits) Grade Method: REG/P-F/AUD.
An introduction to the origins of social cognition, from birth through infancy and toddlerhood. Examines the developing ability to represent and reason about social partners, and the motivations that guide early social behavior. Restricted to PSYC majors only.

0101	Jonathan Beier	Seats (Total: 20)
	TuTh 12:30pm - 1:45pm	BPS 1112

PSYC489E **Advanced Special Topics in Psychology; Cognitive Neuroscience of Memory and Language**

PSYC489E Advanced Special Topics in Psychology: Cognitive Neuroscience of Memory and Language; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PSYC300. Permission of the instructor should be obtained for non-Psychology majors. This discussion-based seminar will examine the interactive relationship between memory and language. We will read and discuss studies exploring the cognitive and neural engagement of both systems, noting when the systems are separate and when they converge. We will also learn about neuroscience techniques, including EEG, MEG, and fMRI, and how they can enhance the study of language and memory.

0101	Susan Teubner-Rhodes	Seats (Total: 5)
	TuTh 3:30pm - 4:45pm	MMH 1401G

PSYC489H **Advanced Special Topics in Psychology; Animal Intelligence**

PSYC489H Advanced Special Topics in Psychology: Animal Intelligence; (3 credits) Grade Method: REG/P-F/AUD.

0101	William Hodos	Seats (Total: 10)
	TuTh 2:00pm - 3:15pm	BPS 3132

PSYC489J **Advanced Special Topics in Psychology; Advanced Statistics in Psychology**

PSYC489J *(PermReq)* **Advanced Special Topics in Psychology: Advanced Statistics in Psychology; (3 credits)** Grade Method: REG/P-F/AUD. Prerequisite: PSYC300 and permission of instructor. A hands-on seminar on how to conduct statistical analyses using SPSS software. Students will learn what analyses are appropriate for different study designs, practice running analyses in SPSS, and report and interpret results. Click here for more course information.

0101	Kristen Klein	Seats (Total: 16)	
	TuTh 9:30am - 10:45am	BPS 0140	

PSYC499H **Honors Thesis Research**

PSYC499H *(PermReq)* **Honors Thesis Research; (3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
In addition to the department and instructor, the director of the honors program may be contacted to obtain a section number. Prerequisite: permission of the thesis advisor. Permission may be obtained in BPS 1147. Restricted to undergraduate PSYC majors only.

Contact department for information to register for this course.

PSYC601 **Quantitative Methods I**

PSYC601 Quantitative Methods I; (4 credits) Grade Method: REG/AUD. *Prerequisite: PSYC200; or students who have taken courses with similar or comparable course content may contact the department.* A basic course in quantitative/mathematical analysis and statistical methods in psychology with an emphasis on conceptual understanding. Topics include issues in measurement, probability theory, statistical inference and hypothesis testing, parameter estimation, bivariate regression, and correlation. For PSYC majors only. For all non-psychology graduate students, written permission of the instructor and department is required.

0101	Michael Dougherty	Seats (Total: 20)	
	TuTh 9:00am - 10:50am	BPS 1124	
	Tu 4:30pm - 6:00pm	PLS 1180	Discussion

PSYC603 **Introduction to Industrial and Organizational Psychology**

PSYC603 Introduction to Industrial and Organizational Psychology; (3 credits) Grade Method: REG/AUD.
Credit only granted for: PSYC603 or PSYC730. Formerly: PSYC730. Advanced survey of industrial-organizational psychology, including selection, training, motivation, group processes, leadership, organizational psychology, and organizational theory. Readings stressed and seminar time will be used for lectures, discussion and integration of the reading materials.

PC01	Cheri Ostroff	Seats (Total: 20)
	M 1:10pm - 3:45pm	BPS 1234
	Open only to the Navy LEAD cohorts.	

PSYC604 **Fundamentals of Social Psychology**

PSYC604 Fundamentals of Social Psychology; (3 credits) Grade Method: REG/AUD.
Credit only granted for: PSYC604 or PSYC640. Formerly: PSYC640. A survey of classic and contemporary theories, research and methods in social psychology. For PSYC majors only.

0101	Charles Stangor	Seats (Total: 20)
	W 2:00pm - 4:30pm	BPS 3132

PSYC611 **Advanced Developmental Psychology**

PSYC611 Advanced Developmental Psychology; (3 credits) Grade Method: REG/AUD.
Systematic exploration of contemporary and classic theories of development focusing on the assumptions they make and research they generate.

0101	Laura Sherman	Seats (Total: 15)
	Th 1:30pm - 4:00pm	BPS 1103

PSYC623 **Child Psychopathology**

PSYC623 *(PermReq)* **Child Psychopathology; (3 credits)** Grade Method: REG. *Restriction: Permission of instructor; and must be in one of the following programs (Psychology (Master's); Psychology (Doctoral)).* Examines the scientific and clinical literature relevant to normal and pathological behavior in children and adolescents. Issues in developmental psychopathology and consideration of processes initiated in childhood which manifest as pathology in adulthood are also considered.

0101	Lea Dougherty W 10:00am - 12:30pm	Seats (Total: 15) BPS 1103

PSYC629 **Clinical Laboratory**

PSYC629 *(PermReq)* **Clinical Laboratory; (1-3 credits)** Grade Method: S-F.

0101	Andres De Los Reyes TBA	Seats (Total: 10) BPS 2114
0201	Julia Felton TBA	Seats (Total: 10) BPS 2114
0301	Julia Felton TBA	Seats (Total: 6) BPS 2114

PSYC638 **Externship in Professional Psychology**

PSYC638 Externship in Professional Psychology; (1-3 credits) Grade Method: S-F.
For PSYC majors only.

0101	Carl Lejuez Contact instructor or department for details.	Seats (Total: 20)
0201	Karen O'Brien Contact instructor or department for details.	Seats (Total: 20)

PSYC639 **Internship in Professional Psychology**

PSYC639 Internship in Professional Psychology; (1 credit) Grade Method: S-F.
For PSYC majors only.

0101	Carl Lejuez	Seats (Total: 20)
	Contact instructor or department for details.	

PSYC643 **Ethical and Professional Issues in Clinical Psychology**

PSYC643 Ethical and Professional Issues in Clinical Psychology; (3 credits) Grade Method: REG.
Restriction: Permission of instructor; and must be in one of the following programs (Psychology (Master's); Psychology (Doctoral)). Credit only granted for: PSYC643 or PSYC719. Formerly: PSYC719. An overview of the ethical and professional issues involved in psychological research, instruction, and practice, with special attention to advocacy and ethical decision making regarding a variety of primary, secondary, and tertiary clinical/community interventions.

0101	Mary Byrne	Seats (Total: 20)
	Tu 2:00pm - 4:30pm	BPS 2114B

PSYC644 **Basic Foundation of Clinical Interventions**

PSYC644 Basic Foundation of Clinical Interventions; (3 credits) Grade Method: REG/AUD.
Restriction: Permission of instructor; and must be in one of the following programs (Psychology (Master's); Psychology (Doctoral)). General introduction to behavior theory and the basic behavioral principles that underlie behavior therapy. Provides an introduction to the philosophical, theoretical and empirical contributions of basic behavior analysis as they relate to behavior therapy, including examples of how behavior therapy is disconnected from its roots.

0101	Carl Lejuez	Seats (Total: 10)
	W 1:00pm - 4:00pm	COL 2103K

PSYC662 **Understanding Trauma and Recovery I**

PSYC662 Understanding Trauma and Recovery I; (3 credits) Grade Method: REG/AUD.
Restriction: Must be in the Graduate Certificate of Professional Studies in Treating Survivors of Violence, Torture, and Trauma: Theoretical Foundations and Mental Health; or permission of instructor. This course is designed to provide students with an overview of psychological trauma and an introduction to treatment of trauma survivors. Current theoretical approaches to understanding trauma and treatment from psychological, developmental, neurobiological, cognitive, and ecological perspectives will be presented.

PL01	Linda Tipton	Seats (Total: 20)
	Meets August 29, 2012 - November 19, 2012	
	Class time/details on ELMs	ONLINE
	This section is restricted to students in the VTT Program.	

PSYC679A **Seminar in Cognitive Development; Cognitive Development**

PSYC679A Seminar in Cognitive Development: Cognitive Development; (3 credits) Grade Method: REG/AUD.

0101	Tracy Riggins	Seats (Total: 1)
	Contact instructor or department for details.	

PSYC695 **Ethical and Professional Issues in Counseling Psychology**

PSYC695 *(PermReq)* **Ethical and Professional Issues in Counseling Psychology; (3 credits)** Grade Method: REG/AUD.
Restriction: Must be in the Counseling Psychology program. Also offered as: EDCP695. Credit only granted for: EDCP669, EDCP688, EDCP695, PSYC688, or PSYC695. Formerly: EDCP669 and EDCP688. Exploration of ethical and professional issues in Counseling Psychology.

0101	Jonathan Mohr	Seats (Total: 15)
	M 9:00am - 12:00pm	BPS 1112

PSYC698 **Advanced Didactic-Practicum in Counseling Psychology**

PSYC698 *(PermReq)* **Advanced Didactic-Practicum in Counseling Psychology; (3 credits)** Grade Method: S-F.

0101	Charles Gelso W 1:00pm - 4:00pm	Seats (Total: 15) BPS 1112

PSYC700 **Theories and Strategies of Counseling Psychology**

PSYC700 *(PermReq)* **Theories and Strategies of Counseling Psychology; (3 credits)** Grade Method: REG.
Restriction: Permission of BSOS-Psychology department. Credit only granted for: PSYC700 or PSYC711. Formerly: PSYC711. Introduction to the professional field, examination of pertinent scientific and philosophical backgrounds, and survey of the major theories, principles, and training models in counseling. Correlated laboratory analogue experiences in dyadic and group interrelationships.

0101	Clara Hill M 1:00pm - 4:00pm	Seats (Total: 8) BPS 1228

PSYC708 **Seminar in Psychometric Theory**

PSYC708 Seminar in Psychometric Theory; (3 credits) Grade Method: REG/AUD.

0101	Juliet Aiken W 4:30pm - 7:00pm	Seats (Total: 15) BPS 1112

PSYC738 **Seminar in Industrial/Organizational Psychology**

PSYC738 Seminar in Industrial/Organizational Psychology; (3 credits) Grade Method: REG/AUD.

0101	Michele Gelfand M 9:30am - 12:00pm	Seats (Total: 10) BPS 3141

PSYC764 **Comparative Neuroanatomy**

PSYC764 *(PermReq)* **Comparative Neuroanatomy; (3 credits)** Grade Method: REG/AUD.
Restriction: Permission of instructor. Demonstrations and lectures on the gross, microscopic and ultrastructural morphology of the central nervous system of vertebrates.

0101	William Hodos	Seats (Total: 15)
	TuTh 11:00am - 12:15pm	BPS 1112

PSYC789 **Special Research Problems**

PSYC789 Special Research Problems; (1-4 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PSYC789J **Special Research Problems; Special Topics in Developmental Psychopathology**

PSYC789J Special Research Problems: Special Topics in Developmental Psychopathology; (1-4 credits) Grade Method: REG/AUD.

0101	Instructor: TBA	Seats (Total: 15)
	TuTh 2:00pm - 4:15pm	JMZ 1103

PSYC789L **Special Research Problems; Topics in Language and Cognition**

PSYC789L *(PermReq)* **Special Research Problems: Topics in Language and Cognition; (3 credits)** Grade Method: REG/AUD.

0101	Robert Slevc	Seats (Total: 10)
	M 2:00pm - 4:30pm	BPS 1103

PSYC789V **Special Research Problems; Higher Cognitive Functions (Working Memory/Attentional Control, Intelligence, Individual Differences)**

PSYC789V *(PermReq)* **Special Research Problems: Higher Cognitive Functions (Working Memory/Attentional Control, Intelligence, Individual Differences); (3 credits)** Grade Method: REG/AUD.

0101	Susanne Jaeggi Tu 1:30pm - 4:00pm	Seats (Total: 15) BPS 1234

PSYC798J **Graduate Seminar; Psychological Research on the Internet: Issues and Methods**

PSYC798J *(PermReq)* **Graduate Seminar: Psychological Research on the Internet: Issues and Methods; (3 credits)** Grade Method: REG/AUD.
Programming methods for hosting experiments online, experimental design and statistical considerations, ethical issues, sampling methods, data reliability, data filtering, data warehousing, and data mining will be covered. Students will complete a project of setting up an experiment online, collecting the data, and writing up the results for online dissemination.

0101	Kent Norman Th 2:00pm - 4:30pm	Seats (Total: 20) BPS 1112

PSYC798V **Graduate Seminar; Animal Intelligence**

PSYC798V *(PermReq)* **Graduate Seminar: Animal Intelligence; (1-4 credits)** Grade Method: REG/AUD.

0101	William Hodos TuTh 2:00pm - 3:15pm	Seats (Total: 15) BPS 3132

PSYC799 **Master's Thesis Research**

PSYC799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
For PSYC majors only. For all non-psychology graduate students, written permission of the instructor and department is required.

Contact department for information to register for this course.

PSYC888A **Research Methods in Psychology; Developmental Seminar**

PSYC888A Research Methods in Psychology: Developmental Seminar; (1-3 credits) Grade Method: REG/AUD.

0101	Jude Cassidy Contact instructor or department for details.	Seats (Total: 10)

PSYC888B **Research Methods in Psychology; Cross Culturism**

PSYC888B Research Methods in Psychology: Cross Culturism; (1-3 credits) Grade Method: REG/AUD.

0101	Michele Gelfand	Seats (Total: 10)
	Contact instructor or department for details.	

PSYC888C **Research Methods in Psychology; Consultation**

PSYC888C Research Methods in Psychology: Consultation; (1-3 credits) Grade Method: REG/AUD.
Psychology 601 and 602, at a minimum, and permission of instructor. Supe rvised experience in providing consultation to faculty and graduate stud ents in the design and analysis of plannned and ongoing research project s. May be repeated for credit.

0101	Kevin O'Grady	Seats (Total: 10)
	Contact instructor or department for details.	

PSYC888L **Research Methods in Psychology; Research in Levels and Attitudes**

PSYC888L Research Methods in Psychology: Research in Levels and Attitudes; (1-3 credits) Grade Method: REG/AUD.

0101	Cheri Ostroff	Seats (Total: 5)
	Contact instructor or department for details.	

PSYC888N **Research Methods in Psychology; Special Research Problems in Behavioral Neuroscience**

PSYC888N Research Methods in Psychology: Special Research Problems in Behavioral Neuroscience; (1-3 credits) Grade Method: REG/AUD.

0101	Erica Glasper Andrews	Seats (Total: 1)
	Contact instructor or department for details.	

PSYC888P **Research Methods in Psychology; Introduction to Functional Magnetic Resonance Imaging**

PSYC888P Research Methods in Psychology: Introduction to Functional Magnetic Resonance Imaging; (3 credits) Grade Method: REG/AUD.

0101	Luiz Pessoa TuTh 11:00am - 12:15pm	Seats (Total: 20) BPS 1140

PSYC889 **Research Methods in Psychology**

PSYC889 Research Methods in Psychology; (1 credit) Grade Method: REG/AUD.

0101	Cheri Ostroff Contact instructor or department for details.	Seats (Total: 10)
0201	Michael Dougherty F 9:00am - 9:50am	Seats (Total: 10) BPS 0283

PSYC898 **Pre-Candidacy Research**

PSYC898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PSYC899 **Doctoral Dissertation Research**

PSYC899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.
For PSYC majors only. For all non-psychology graduate students, written permission of the instructor and department is required.

Contact department for information to register for this course.

PUAF Public Policy Fall 2012

PUAF201 **Leadership for the Common Good**

PUAF201 Leadership for the Common Good; (3 credits) Grade Method: REG. CORE Interdisciplinary & Emerging Issues (IE) Course. GenEd: Distributive Studies - History and Social Sciences or Distributive Studies - Scholarship in Practice; Signature Courses - I-Series.
Corequisite: Concurrently enrolled in CPSP118. Restriction: Must be in the College Park Scholars Public Leadership program; and Freshman standing. This course is designed to provide undergraduate students an introduction to leadership theory and a chance to practice a core set of practical skills relevant to transformational and collaborative leadership.

0101	Jennifer Littlefield TuTh 9:30am - 10:45am W 10:00am - 10:50am	Seats (Total: 35) CCC 1100 CCC 1111	 Discussion
0102	Jennifer Littlefield TuTh 9:30am - 10:45am W 11:00am - 11:50am	Seats (Total: 35) CCC 1100 CCC 1100	 Discussion
0103	Jennifer Littlefield TuTh 9:30am - 10:45am F 10:00am - 10:50am	Seats (Total: 35) CCC 1100 CCC 1100	 Discussion

PUAF300 **Introduction to Sustainability**

PUAF300 Introduction to Sustainability; (3 credits) Grade Method: REG/P-F/AUD. *Credit only granted for: AGNR300 or PUAF300.* Designed for students whose academic majors would be enhanced by the complementary study of a widely shared but hard-to-operationalize aspiration: that present choices should preserve or improve future options rather than foreclose or degrade them. How should we understand sustainability? How might we achieve it? How would we know if we had achieved it? And how could sustainability activists of a rising generation lead by example?

0101	Robert Sprinkle TuTh 3:30pm - 4:45pm	Seats (Total: 140) CHM 1407

PUAF302 **Leadership: Philosophy, Policy and Praxis**

PUAF302 *(PermReq)* **Leadership: Philosophy, Policy and Praxis; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: PUAF202. Restriction: Must be in the Rawlings Undergraduate Leadership Fellows Program. Leadership as a search for meaning, identity and purpose are explored. Also introduces major philosophical traditions, from the ancient world to the modern one, and encourages students to ground their leadership interests and aspirations in a disciplined process of self-reflection, critical thinking and inquiry.

0101	Nina Harris	Seats (Total: 27)
	W 4:15pm - 6:45pm	TLF 1126
	Contact instructor or department for details.	

PUAF349 **Internship in Political Institutions: State and Local**

PUAF349 *(PermReq)* **Internship in Political Institutions: State and Local; (3-6 credits)** Grade Method: S-F.
Also offered as BSOS349.

0101	Ravi D'Souza	Seats (Total: 5)
	Contact instructor or department for details.	

PUAF359C **Contemporary Issues in Political Leadership and Participation; Advocacy in the American Political System**

PUAF359C Contemporary Issues in Political Leadership and Participation: Advocacy in the American Political System; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as BSOS359C.

0101	Gerard Evans	Seats (Total: 120)
	M 2:00pm - 4:35pm	CSS 2324

PUAF359W **Contemporary Issues in Political Leadership and Participation; Women and Politics**

PUAF359W Contemporary Issues in Political Leadership and Participation: Women and Politics; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as BSOS359W.

0101	Frances Glendening Tu 4:15pm - 6:45pm	Seats (Total: 25) TLF 1126	

PUAF386 **Experiential Learning**

PUAF386 Experiential Learning; (3-6 credits) Grade Method: REG.
Prerequisite: Permission of PUAF-School of Public Policy. Repeatable to 12 credits if content differs. Credit only granted for: BSOS386 or PUAF386. Formerly: BSOS386.

0101	Nina Harris Contact instructor or department for details.	Seats (Total: 10)	

PUAF388 **Special Topics in Public Policy**

PUAF388 *(PermReq)* **Special Topics in Public Policy; (1-3 credits)** Grade Method: REG/P-F/AUD.

0101	Nina Harris Contact instructor or department for details.	Seats (Total: 10)	

PUAF610 **Quantitative Aspects of Public Policy**

PUAF610 Quantitative Aspects of Public Policy; (3 credits) Grade Method: REG/AUD.
Restriction: Must be in a major in PUAF-School of Public Policy; or permission of PUAF-School of Public Policy. Introduces statistical methods needed for evaluating and choosing among policy options. Topics include probability; decision-making under uncertainty; the organization, interpretation, and visual display of complex data; prediction and inferences about causality; hypothesis testing; and linear and multiple regression. Develops analytical skills and the ability to apply theory to complex, real-world problems.

0101	Steve Fetter Tu 9:15am - 11:45am F 1:30pm - 4:00pm	Seats (Total: 40) VMH 1207 VMH 1207	 Discussion
0201	Steve Fetter Tu 7:00pm - 9:30pm F 1:30pm - 4:00pm	Seats (Total: 40) VMH 1207 VMH 1207	 Discussion

0301	Steve Fetter W 4:15pm - 6:45pm F 1:30pm - 4:00pm	Seats (Total: 40) VMH 1207 VMH 1207	 Discussion

PUAF611 **Quantitative Analysis of Policy Issues**

PUAF611 Quantitative Analysis of Policy Issues; (3 credits) Grade Method: REG/AUD.
Restriction: Must be in a major in PUAF-School of Public Policy; or permission of PUAF-School of Public Policy. Study of a series of problems and the development of quantitative techniques to describe or evaluate the problem. The organization and interpretation of complex data and its use for prediction and inference about casual effects. The definition of objectives, trade-offs among objectives, and allocation of resources to meet objectives. Sensitivity of outcomes to changing conditions.

0101	Seth Weissman W 7:00pm - 9:30pm F 1:30pm - 4:00pm	Seats (Total: 20) VMH 1207 VMH 1203	 Discussion
0201	Seth Weissman Th 7:00pm - 9:30pm F 1:30pm - 4:00pm	Seats (Total: 20) PKT 1224 VMH 1203	 Discussion

PUAF620 **Political Analysis**

PUAF620 Political Analysis; (3 credits) Grade Method: REG/AUD.
Restriction: Must be in a major in PUAF-School of Public Policy; or permission of PUAF-School of Public Policy. Examination of politics as a process for allocating scarce resources among claimants for public benefits. Comparision of the allocative model of politics with other distributive processes, such as markets. Comparison of the model with behavior of different political institutions, such as Congress and the presidency. Study of politics as a process with distinctive concepts of rationality. The translation of voter and interest group preferences into public choices. The impact of political decisions on competing constituencies.

0101	Aaron Barker, Christopher Foreman Th 4:15pm - 6:45pm	Seats (Total: 29) VMH 1203	
0301	Christopher Foreman Th 9:15am - 11:45am	Seats (Total: 29) VMH 1203	

PUAF640 **Microeconomic and Policy Analysis**

PUAF640 Microeconomic and Policy Analysis; (3 credits) Grade Method: REG/AUD.
Restriction: Must be in a major in PUAF-School of Public Policy; or permission of PUAF-School of Public Policy. Applies intermediate microeconomic theory to public policy issues: resource allocation by firms and consumers; the response of economic agents to changes in incentives; market allocations in competitive and non-competitive environments; and market failures and government remedies. Uses extended case studies of particular issues in such areas as the environment (acid rain), international trade (tariffs), industry regulation (cable TV), and the provision of public goods (highways).

0201	Ioana Petrescu Tu 1:30pm - 4:00pm W 1:30pm - 4:00pm	Seats (Total: 35) VMH 1203 PKT 1224	Discussion
0401	Ioana Petrescu Tu 4:15pm - 6:45pm W 1:30pm - 4:00pm	Seats (Total: 35) VMH 1203 PKT 1224	Discussion
0501	Ioana Petrescu M 9:15am - 11:45am F 9:15am - 11:45am	Seats (Total: 35) VMH 1203 PKT 1224	Discussion

PUAF641 **Macroeconomics and Policy Analysis**

PUAF641 Macroeconomics and Policy Analysis; (3 credits) Grade Method: REG/AUD.
Restriction: Must be in a major in PUAF-School of Public Policy; or permission of PUAF-School of Public Policy. Studies the behavior of the economy as a whole: the level of national income, unemployment, and inflation; the vulnerability of the U.S. economy to external influences; possible federal influence over the level of economic activity; and the consequences for prices, employment and the U.S. trade deficit. Also examines possible U.S. policy responses to widespread debt crises in developing countries.

0101	William Helkie Tu 7:00pm - 9:30pm M 7:00pm - 9:30pm	Seats (Total: 20) VMH 1203 PKT 1224	Discussion

0201	William Helkie W 7:00pm - 9:30pm M 9:15am - 11:45am	Seats (Total: 20) VMH 1203 PKT 1224	Discussion

PUAF650 **Moral Dimensions of Public Policy**

PUAF650 Moral Dimensions of Public Policy; (3 credits) Grade Method: REG/AUD.
Restriction: Must be in a major in PUAF-School of Public Policy; or permission of PUAF-School of Public Policy. Explores the moral issues involved in public policy questions; the limits and usefulness of decision-making tools; problems of choosing, justifying and using criteria to judge a program's success and suitability; ethichal issues involving the welfare state and income distribution; and possible obligations beyond one's political community and generation.

0101	Thomas Hilde Th 7:00pm - 9:30pm	Seats (Total: 20) VMH 1203
0301	Miguel Gonzalez-Marcos Th 1:30pm - 4:00pm	Seats (Total: 25) VMH 1203
0401	Daniel Levine M 1:30pm - 4:00pm	Seats (Total: 25) VMH 1207
0501	Miguel Gonzalez-Marcos W 9:15am - 11:45am	Seats (Total: 22) VMH 1107
0601	Robert Sprinkle Th 9:15am - 11:45am	Seats (Total: 25) VMH 1207

PUAF670 **Finance**

PUAF670 Finance; (3 credits) Grade Method: REG/AUD.
Restriction: Must be in a major in PUAF-School of Public Policy; or permission of PUAF-School of Public Policy. Introduction to principles of resource allocation over time, role of debt in context of changing sources of governmental revenues, long- and short-term debt instruments, analysis of mixed public-private economic development projects, leasing, and the impact of borrowing devices. Prerequisites PUAF 610 and 640.

0201	Jerry Bridges Th 4:15pm - 6:45pm W 1:30pm - 4:00pm	Seats (Total: 20) VMH 2101F VMH 1101	 Discussion

PUAF671 **Public Sector Finance**
Contact department for information to register for this course.

PUAF688A **Topics in Public Policy; Comparative Political Institutions**

PUAF688A Topics in Public Policy: Comparative Political Institutions; (3 credits) Grade Method: REG/AUD.

0101	Allen Schick Th 1:30pm - 4:00pm	Seats (Total: 22) VMH 1107
0201	Allen Schick Th 4:15pm - 6:45pm	Seats (Total: 30) VMH 1207

PUAF688M **Topics in Public Policy**
Contact department for information to register for this course.

PUAF688P **Topics in Public Policy; Health Law and Ethics**

PUAF688P Topics in Public Policy: Health Law and Ethics; (3 credits) Grade Method: REG/AUD.
Also offered as HLSA720.

0101	Jacqueline Scott W 4:00pm - 6:45pm	Seats (Total: 25) SPH 0303

PUAF689A **Public Policy Topics; Federal Acquisition: Concept and Management**

PUAF689A Public Policy Topics: Federal Acquisition: Concept and Management; (3 credits) Grade Method: REG/AUD.
Also offered as BUSI758A and ENSE698J.

0101	William Lucyshyn W 4:15pm - 6:45pm	Seats (Total: 22) VMH 2101F

PUAF689E **Public Policy Topics; Introduction to Policy Analysis**

PUAF689E Public Policy Topics: Introduction to Policy Analysis; (3 credits) Grade Method: REG/AUD.

0101	Douglas Besharov Th 4:15pm - 6:45pm	Seats (Total: 40) VMH 1101

PUAF689X **Public Policy Topics; Performance Management**

PUAF689X Public Policy Topics: Performance Management; (3 credits) Grade Method: REG/AUD.

0101	Donald Kettl, J Mihm M 7:00pm - 9:30pm	Seats (Total: 29) VMH 1203

PUAF689Y **Public Policy Topics; NonProfit Fundraising**

PUAF689Y Public Policy Topics: NonProfit Fundraising; (3 credits) Grade Method: REG/AUD.

0101	Noah Drezner Tu 7:00pm - 9:30pm	Seats (Total: 20) VMH 1101

PUAF689Z **Public Policy Topics; Strategic Management for NonProfit and Public Organizations**

PUAF689Z Public Policy Topics: Strategic Management for NonProfit and Public Organizations; (3 credits) Grade Method: REG/AUD.

0101	Robert Sheehan W 7:00pm - 9:30pm	Seats (Total: 20) VMH 2505

PUAF692 **Leadership Principles and Practices**

PUAF692 Leadership Principles and Practices; (3 credits) Grade Method: REG/AUD.

Restriction: Must be in a major in PUAF-School of Public Policy; or permission of PUAF-School of Public Policy. This course will introduce leadership principles and practices to students by focussing on the theory of leadership, different leadership themes and skills, and discussions with practitioners.

0101	Michael Speer M 1:30pm - 4:00pm	Seats (Total: 20) VMH 1107

PUAF698A **Selected Topics in Public Affairs; Poverty Measurement and Alleviation**

PUAF698A Selected Topics in Public Affairs: Poverty Measurement and Alleviation; (3 credits) Grade Method: REG/AUD.
For PUAF majors only or permission of department

0101	Douglas Besharov Th 7:00pm - 9:30pm	Seats (Total: 20) VMH 1207

PUAF698B **Selected Topics in Public Affairs; Restoration of the Chesapeake Bay**

PUAF698B Selected Topics in Public Affairs: Restoration of the Chesapeake Bay; (3 credits) Grade Method: REG/AUD.
For PUAF majors only or permission of department.

0101	Gerald Winegrad M 4:15pm - 6:50pm	Seats (Total: 20) VMH 1101

PUAF698C **Selected Topics in Public Affairs; Intelligence and Policy: Executive, Congressional and Public Dimensions**
Contact department for information to register for this course.

PUAF698G **Selected Topics in Public Affairs; Government Contracting and Pricing**

PUAF698G Selected Topics in Public Affairs: Government Contracting and Pricing; (3 credits) Grade Method: REG/AUD.

0101	Arthur Garcia Th 7:00pm - 9:30pm	Seats (Total: 20) VMH 1107

PUAF698L **Selected Topics in Public Affairs**
Contact department for information to register for this course.

PUAF698N **Selected Topics in Public Affairs; Intelligence and National Security**

PUAF698N Selected Topics in Public Affairs: Intelligence and National Security; (3 credits) Grade Method: REG/AUD.
For PUAF majors only or permission of department.

0101	William Nolte	Seats (Total: 20)
	Th 4:15pm - 6:45pm	VMH 1107

PUAF698P **Selected Topics in Public Affairs; Information Policy and Technology**
Contact department for information to register for this course.

PUAF698T **Selected Topics in Public Affairs; Managing Across Sectors**

PUAF698T Selected Topics in Public Affairs: Managing Across Sectors; (3 credits) Grade Method: REG/AUD.

0101	Elizabeth Duke	Seats (Total: 20)
	M 9:15am - 11:45am	VMH 1101

PUAF698V **Selected Topics in Public Affairs; Managing Social Services**

PUAF698V Selected Topics in Public Affairs: Managing Social Services; (3 credits) Grade Method: REG.
For PUAF majors only or permission of department.

0101	Charles Short	Seats (Total: 20)
	W 4:15pm - 6:45pm	VMH 1101

PUAF698X **Selected Topics in Public Affairs**
Contact department for information to register for this course.

PUAF698Z **Selected Topics in Public Affairs; Trends in Counter Terrorism**
Contact department for information to register for this course.

PUAF699 **Selected Topics Public Policy; Motivation and Intents of Terrorism**
Contact department for information to register for this course.

PUAF699A **Selected Topics Public Policy; Asset Management II**
Contact department for information to register for this course.

PUAF699B **Selected Topics Public Policy; Local Governance and Land Use Planning**
Contact department for information to register for this course.

PUAF699G **Selected Topics Public Policy; Leadership in Groups and Organizations**
Contact department for information to register for this course.

PUAF699J **Selected Topics Public Policy; Pathways to Development**

PUAF699J Selected Topics Public Policy: Pathways to Development; (3 credits)
Grade Method: REG/AUD.

0101	Allen Schick	Seats (Total: 30)
	W 1:30pm - 4:00pm	VMH 1203

PUAF699L **Selected Topics Public Policy; Leadership and Motivation**

PUAF699L Selected Topics Public Policy: Leadership and Motivation; (1-3 credits) Grade Method: REG/AUD.

EX01	Sydney Smith-Heimbrock	Seats (Total: 15)
	Meets August 25, 2012 - December 15, 2012	
	Sa 1:30pm - 6:00pm	VMH 1203

PUAF699M **Selected Topics Public Policy; Acquisitions In National Security**
Contact department for information to register for this course.

PUAF699O **Selected Topics Public Policy; 21st Century Policy Challenges**
Contact department for information to register for this course.

PUAF699R **Selected Topics Public Policy; Critical Thinking and Analytic Methodology**
Contact department for information to register for this course.

PUAF699T **Selected Topics Public Policy; Terrorism Analysis: Tools and Practices**
Contact department for information to register for this course.

PUAF699W **Selected Topics Public Policy; Motivations and Intents of Terrorism**
Contact department for information to register for this course.

PUAF699X **Selected Topics Public Policy; Organizational Behavior**
Contact department for information to register for this course.

PUAF699Y **Selected Topics Public Policy; Globalization and Trade**

PUAF699Y Selected Topics Public Policy: Globalization and Trade; (3 credits) Grade Method: REG/AUD.

0101	Susan Schwab Th 9:15am - 11:45am	Seats (Total: 20) VMH 1107

PUAF700 **U.S. Trade: Policy and Politics**

PUAF700 U.S. Trade: Policy and Politics; (3 credits) Grade Method: REG/AUD. *Prerequisite: PUAF641, PUAF620, and PUAF640. Restriction: Must be in a major in PUAF-School of Public Policy; or permission of PUAF-School of Public Policy.* Interplay between government and private interests in shaping official actions that affect international trade. Policy tools available to influence balance, magnitude, and composition of imports and exports. Evolution of executive, congressional and quasi-judicial government institutions under increased U.S. international trade exposure and trade deficit.

0101	I M Mac Destler Tu 1:30pm - 4:00pm	Seats (Total: 22) VMH 1107

PUAF706 **Public Policymaking for Journalists**

PUAF706 Public Policymaking for Journalists; (3 credits) Grade Method: REG/AUD.
Restriction: Must be in a major in JOUR-Philip Merrill College of Journalism. Focuses on the political, procedural and administrative realities of policy formation and implementation. Specifically for the Journalism students who staff the Capital News Service.

0101	Catherine Riley M 1:00pm - 4:00pm	Seats (Total: 20) VMH 1101

PUAF711 **Public Management and Leadership**

PUAF711 Public Management and Leadership; (3 credits) Grade Method: REG/AUD.
Restriction: Must be in a major in PUAF-School of Public Policy; or permission of PUAF-School of Public Policy. Reviews the managerial, political, and ethical problems faced by public sector managers and leaders, including setting an organization's goals, obtaining and protecting a program mandate, designing a service delivery system and implementing a new program.

0101	Jacques Gansler M 4:15pm - 6:50pm	Seats (Total: 20) VMH 1107
0301	Elizabeth Duke Tu 9:15am - 11:45am	Seats (Total: 22) VMH 1203
0401	Elizabeth Duke Tu 1:30pm - 4:00pm	Seats (Total: 20) PKT 1221

PUAF712 **Analysis of Fiscal Conditions**

PUAF712 Analysis of Fiscal Conditions; (3 credits) Grade Method: REG/AUD.
Restriction: Must be in a major in PUAF-School of Public Policy; or permission of PUAF-School of Public Policy. The financial operations of U.S. government at various levels, with emphasis on local governments. Practical problems in revenue management, including revenue forecasting and cash flow analysis; debt management operations, such as borrowing; intergovernmental financial operations, such as grants management and reporting requirements, and personnel management issues that have a direct bearing on governmental finances.

0101	Marita Brown Tu 4:15pm - 6:45pm	Seats (Total: 20) VMH 1101

PUAF715 **Government and Non-Profit Accounting**
Contact department for information to register for this course.

PUAF716 **State and Local Government Budgeting**

PUAF716 State and Local Government Budgeting; (3 credits) Grade Method: REG/AUD.
Restriction: Must be in a major in PUAF-School of Public Policy; or permission of PUAF-School of Public Policy. State and local government practices as a laboratory for studying public sector financial management.

0101	Marita Brown W 7:00pm - 9:30pm	Seats (Total: 20) VMH 1101

PUAF717 **Federal Budgeting: Policy and Process**
Contact department for information to register for this course.

PUAF720 **International Security Policy**

PUAF720 International Security Policy; (3 credits) Grade Method: REG/AUD.
Restriction: Must be in a major in PUAF-School of Public Policy; or permission of PUAF-School of Public Policy. Reviews the principal features of international security as currently practiced. Traces the evolution of contemporary policy beginning with the initiation of nuclear weapons programs during World War II. Particular emphasis is given to experience of the United States and Russia, since the historical interaction between these two countries has disproportionately affected the international security conditions that all other countries now experience.

0101	John Steinbruner Tu 4:15pm - 6:45pm	Seats (Total: 25) VMH 1207

PUAF722 **Terrorism and Democracy**
Contact department for information to register for this course.

PUAF724 **Problems of Global Security**
Contact department for information to register for this course.

PUAF734 **Foundations of Social Policy**

PUAF734 Foundations of Social Policy; (3 credits) Grade Method: REG/AUD. *Restriction: Must be in a major in PUAF-School of Public Policy.* Provides an overview of government's role in social policy and the history of the development of federal and state policies with respect to welfare, aging, education, and housing. Analyzes current federal institutions and legislation in the same policy areas and the demographic history of the United States. Develops skills in analytic writing and presentation of descriptive data.

0101	Peter Reuter	Seats (Total: 29)
	M 4:15pm - 6:45pm	VMH 1203

PUAF735 **Health Policy**

PUAF735 Health Policy; (3 credits) Grade Method: REG/AUD.
Analyzes the origins, history, status, and future of health care as problems in political and economic theory and as puzzles in policy formation. Considers current American reform controversies in the light of several disciplines and in comparison to foreign experiences and structures.

0101	Jack Meyer	Seats (Total: 24)
	Th 7:00pm - 9:30pm	VMH 1101

PUAF737 **Strategies of Equality**

PUAF737 Strategies of Equality; (3 credits) Grade Method: REG/AUD.
Restriction: Must be in a major in PUAF-School of Public Policy; or permission of PUAF-School of Public Policy. Formerly: PUAF698Y. Concentrates on the institutional and political means by which disadvantaged segments of the United States population have sought to enhance their social, economic and political prospects. Race, gender and disability are the substantive focal points, with considerable attention given to the challanges of African American socio-political uplift. Also explores legislation, litigation, administration, agitation (i.e. protest), and constitutional reform. Students become familiar with alternative conceptions of equality and the modes of argument employed in different institutional and political contexts.

0101	Christopher Foreman	Seats (Total: 22)
	Tu 4:15pm - 6:45pm	VMH 1107

PUAF741 **Global Environmental Problems**

PUAF741 Global Environmental Problems; (3 credits) Grade Method: REG/AUD. *Restriction: Must be in a major in PUAF-School of Public Policy; or permission of PUAF-School of Public Policy.* Suitability of analytic tools for examining global environmental problems, human overpopulation, land abuse, ozone depletion, climate change, acid rain, loss of biological diversity, the scarcity of food, fresh water, energy and nonfuel mineral resources, and health hazards of pollutants toxic metals and radiation.

0101	Gayatri Gadag, Nathan Hultman	Seats (Total: 40)
	Tu 4:15pm - 6:45pm	PKT 1221

PUAF742 **Environmental Ethics**

PUAF742 Environmental Ethics; (3 credits) Grade Method: REG/AUD. *Restriction: Must be in a major in PUAF-School of Public Policy; or permission of PUAF-School of Public Policy.* Analyzes issues such as the relation between human beings and nature from the perspectives of the science, history, philosophy, and religion. Considers the bases for policies such as environmental regulation, public lands, and international conventions with respect to the environment.

0101	Thomas Hilde	Seats (Total: 20)
	M 7:00pm - 9:30pm	VMH 2102F

PUAF744 **Environment and Development**

PUAF744 Environment and Development; (3 credits) Grade Method: REG/AUD. Analyzes sustainable development and its conflicting interpretations. The dominant view, as expressed in the World Bank's 1992 World Development Report, is studied, along with some critical responses. Further readings on issues of population, consumption and development indicators.

0101	Anand Patwardhan	Seats (Total: 20)
	Tu 7:00pm - 9:30pm	VMH 1107

PUAF745 **Human Health and Environmental Policy**

PUAF745 Human Health and Environmental Policy; (3 credits) Grade Method: REG/AUD.
Reviews the major human physiological systems and their integrated toxicological functions; considers key bodily defenses; and discusses classic, emerging, and ambiguous risks; in all ecological context. Applies to scientific controversy, the methods of policy formation, such as risk analysis, social-cost analysis, "outcomes" analysis, and decision analysis, all in political-economic context.

0101	Robert Sprinkle	Seats (Total: 25)
	Tu 12:15pm - 2:45pm	VMH 1207

PUAF752 **Managing Differences:Resolving Conflict and Negotiating Agreements**

PUAF752 Managing Differences:Resolving Conflict and Negotiating Agreements; (3 credits) Grade Method: REG/AUD.
Restriction: Must be in a major in PUAF-School of Public Policy; or permission of PUAF-School of Public Policy. Enhances the student's negotiation and leadership skills for managing differences between individuals and groups. Students study the nature of conflict, learn how to handle two and multiparty conflicts, exerting leadership where there are no hierarchy leaders, and explore the impact of facilitators and mediators on the negotiating process. Blends skill building exercises and theory discussions about the behavior of groups and individuals in groups to understand negotiation dynamics.

0101	Charles Field	Seats (Total: 20)
	M 4:15pm - 6:50pm	PKT 1224

PUAF753 **Advanced Negotiations**
Contact department for information to register for this course.

PUAF770 **Seminar in Housing and Community Development Strategies**
Contact department for information to register for this course.

PUAF771 **Housing and Community Development Overview**
Contact department for information to register for this course.

PUAF772 **Housing Finance**
Contact department for information to register for this course.

PUAF773 **Housing Clinic**

Contact department for information to register for this course.

PUAF774 **Asset Management**

Contact department for information to register for this course.

PUAF780 **The American Foreign Policy-Making Process**

PUAF780 The American Foreign Policy-Making Process; (3 credits) Grade Method: REG/AUD.
Restriction: Must be in a major in PUAF-School of Public Policy; or permission of PUAF-School of Public Policy. Survey and analysis of the governmental institutions and processes which shape U.S. global engagement on national security and international economic issues. Particular emphasis is given to executive-congressional relations and the broader domestic roots of foreign policy.

0101	I M Mac Destler M 1:30pm - 4:00pm	Seats (Total: 20) VMH 1203	

PUAF781 **International Economic Policy**

PUAF781 International Economic Policy; (3 credits) Grade Method: REG/AUD.
Restriction: Must be in a major in PUAF-School of Public Policy; or permission of PUAF-School of Public Policy. Issues and choices facing the United States in today's global economy. Primary, but not exclusive, emphasis is given to "competitive interdependence" among advanced industrial societies.

0101	Soumya Chattopadhyay M 4:15pm - 6:45pm W 7:00pm - 9:30pm	Seats (Total: 25) VMH 1207 PKT 1221	 Discussion
0201	Phillip Swagel M 9:15am - 11:45am W 4:15pm - 6:45pm	Seats (Total: 25) VMH 1207 PKT 1221	 Discussion

PUAF782 **International Development Economics**

PUAF782 International Development Economics; (3 credits) Grade Method: REG/AUD.
Restriction: Must be in a major in PUAF-School of Public Policy; or permission of PUAF-School of Public Policy. Credit only granted for: PUAF698U or PUAF782. Formerly: PUAF698U. Examines key current economic and policy issues for developing and transition economies. Topics include inflation stabilization, fiscal policy, selected trade issues, dealing with international capital flows, the role of multilateral organizations, such as the International Monetary Fund and the World Bank, and issues relating to saving, investment and growth.

0101	Ioana Petrescu W 4:15pm - 6:45pm	Seats (Total: 29) VMH 1203

PUAF790 **Project Course**
Contact department for information to register for this course.

PUAF798A **Readings in Public Policy**

PUAF798A Readings in Public Policy; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PUAF798B **Readings in Public Policy**

PUAF798B Readings in Public Policy; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PUAF798D **Readings in Public Policy; Defense Policy**

PUAF798D Readings in Public Policy: Defense Policy; (3 credits) Grade Method: REG/AUD.

0101	Russell Rumbaugh W 7:00pm - 9:30pm	Seats (Total: 22) VMH 1107

PUAF798F **Readings in Public Policy; Environmental Finance Strategies and Solutions**

Contact department for information to register for this course.

PUAF798J **Readings in Public Policy; Contemporary Water Resources Management**

PUAF798J Readings in Public Policy: Contemporary Water Resources Management; (3 credits) Grade Method: REG/AUD.
For PUAF majors only or permission of department. Also offered as ENCE688J. Credit will granted for one of the following: ENCE688J, ENPP620, or PUAF798J.

0101	Gerald Galloway Tu 5:00pm - 7:30pm	Seats (Total: 24) EGR 2154

PUAF798K **Readings in Public Policy; Climate Science and Policy**

PUAF798K Readings in Public Policy: Climate Science and Policy; (3 credits) Grade Method: REG/AUD.

0101	Nathan Hultman M 1:30pm - 4:00pm	Seats (Total: 20) VMH 2101F

PUAF798M **Readings in Public Policy; Arms Control and Non-Proliferation Policy**

PUAF798M Readings in Public Policy: Arms Control and Non-Proliferation Policy; (3 credits) Grade Method: REG/AUD.
Prerequisite: PUAF720 or permission of instructor.

0101	Nancy Gallagher Tu 9:15am - 11:45am	Seats (Total: 15) VMH 1107

PUAF798N **Readings in Public Policy; Energy Economics**

PUAF798N Readings in Public Policy: Energy Economics; (3 credits) Grade Method: REG/AUD.

0101	Benjamin Schlesinger M 9:15am - 11:45am	Seats (Total: 20) VMH 1107

PUAF798X **Readings in Public Policy**
Contact department for information to register for this course.

PUAF898 **Pre-Candidacy Research**

PUAF898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PUAF899 **Doctoral Dissertation Research**

PUAF899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

RDEV Real Estate Development Fall 2012

RDEV630 **Fundamentals of Real Estate Development and Finance**

RDEV630 *(PermReq)* **Fundamentals of Real Estate Development and Finance; (3 credits)** Grade Method: REG.
Restriction: Must be in Real Estate Development (Master's) program; or permission of ARCH-Real Estate Development. Credit only granted for: RDEV630, RDEV688B, or URSP664. Formerly: RDEV688B. An introduction to real estate development and the foundational concepts of finance and particular financial measures in underwriting real estate projects. Quantitative analyses and financial modeling comprise the main focus.

0101	Alfred Tetrault	Seats (Total: 30)
	Tu 7:00pm - 9:40pm	ARC 1103

RDEV688A **Selected Topics in Real Estate Development; Development Law, Process and Ethics**

RDEV688A *(PermReq)* **Selected Topics in Real Estate Development: Development Law, Process and Ethics; (3 credits)** Grade Method: REG. Prerequisite: permission of department.

0101	Delna White-Gray	Seats (Total: 30)
	M 7:00pm - 9:40pm	ARC 1105

RDEV688E **Selected Topics in Real Estate Development; Resolving Conflict and Negotiating Agreements**

RDEV688E *(PermReq)* **Selected Topics in Real Estate Development: Resolving Conflict and Negotiating Agreements; (3 credits)** Grade Method: REG/AUD.

0101	Charles Field Th 7:00pm - 9:40pm	Seats (Total: 30) ARC 1103

RDEV688I **Selected Topics in Real Estate Development; Capstone Seminar in Real Estate Development**

RDEV688I *(PermReq)* **Selected Topics in Real Estate Development: Capstone Seminar in Real Estate Development; (3 credits)** Grade Method: REG/AUD. Prerequisite: permission of department and completion of 21 RDEV credits.

0101	Margaret McFarland Tu 7:00pm - 9:40pm	Seats (Total: 10) ASY 3215
0102	Margaret McFarland Tu 7:00pm - 9:40pm	Seats (Total: 10) ARC 1127
0103	Margaret McFarland Tu 7:00pm - 9:40pm	Seats (Total: 10) ARC 1111
0104	Margaret McFarland Tu 7:00pm - 9:40pm	Seats (Total: 10) ARC 1117
0105	Instructor: TBA Tu 7:00pm - 9:40pm	Seats (Total: 25) ARC 1121

RDEV688K **Selected Topics in Real Estate Development; Tax and Accounting for Real Estate Developers**

RDEV688K *(PermReq)* **Selected Topics in Real Estate Development: Tax and Accounting for Real Estate Developers; (3 credits)** Grade Method: REG/AUD. Prerequisite: permission of department and completion of a minimum of 18 RDEV credits.

0101	Leslie Mostow Tu 7:00pm - 9:40pm	Seats (Total: 28) ARC 1101

RDEV688L **Selected Topics in Real Estate Development; Commercial Leasing**

RDEV688L *(PermReq)* **Selected Topics in Real Estate Development: Commercial Leasing; (3 credits)** Grade Method: REG.
Prerequisite: RDEV688A, RDEV630, and permission of department.

0101	Christopher Camarra, Shannon Sentman W 7:00pm - 9:40pm	Seats (Total: 25) ARC 1101

RDEV688P **Selected Topics in Real Estate Development; Entrepreneurship Basics for Real Estate Developers**

RDEV688P *(PermReq)* **Selected Topics in Real Estate Development: Entrepreneurship Basics for Real Estate Developers; (3 credits)** Grade Method: REG/AUD.
Prerequisite: permission of department and completion of a minimum of 21 RDEV credits.

0101	James Green M 7:00pm - 9:40pm	Seats (Total: 15) ARC 1127

RDEV688X **Selected Topics in Real Estate Development; Introduction to Principles, Practice and Process**

RDEV688X *(PermReq)* **Selected Topics in Real Estate Development: Introduction to Principles, Practice and Process; (3 credits)** Grade Method: REG/AUD.
Prerequisite: permission of department. Not open to students who completed RDEV689X or RDEV689W.

0101	Lisa Wiersma W 7:00pm - 9:40pm	Seats (Total: 35) ARC 1103
0201	Germano Gomez Tu 7:00pm - 9:40pm	Seats (Total: 18) ARC 1123

RDEV689E **Current Topics in Real Estate Development; Structured Finance**

RDEV689E *(PermReq)* **Current Topics in Real Estate Development: Structured Finance; (1-3 credits)** Grade Method: REG/AUD.
Prerequisite: RDEV688A, RDEV630, and permission of department.ent.

0101	Thomas Burton Th 7:00pm - 9:40pm	Seats (Total: 19) ARC 1127

RDEV689G **Current Topics in Real Estate Development; Sustainable Context Sensitive Strategies for Land Use: Development, Design and Transportation**

RDEV689G *(PermReq)* **Current Topics in Real Estate Development: Sustainable Context Sensitive Strategies for Land Use: Development, Design and Transportation; (3 credits)** Grade Method: REG/AUD.
Also offered as LARC689A and URSP688I.

0101	Jack Sullivan, Hiroyuki Iseki, Margaret McFarland Th 7:00pm - 9:45pm	Seats (Total: 23) ARC 1101

RDEV689M **Current Topics in Real Estate Development; Market Analysis and Valuation**

RDEV689M *(PermReq)* **Current Topics in Real Estate Development: Market Analysis and Valuation; (1-3 credits)** Grade Method: REG/AUD.

0101	James Riggs, Robert Lefenfeld M 7:00pm - 9:40pm	Seats (Total: 30) ARC 1101

RDEV689Y **Current Topics in Real Estate Development; Guided Real Estate Development Project**

RDEV689Y Current Topics in Real Estate Development: Guided Real Estate Development Project; (1-3 credits) Grade Method: REG/AUD.

0101	Margaret McFarland Contact instructor or department for details.	Seats (Total: 10)

RELS Religious Studies Fall 2012

RELS120 **Islamic Civilization**

RELS120 Islamic Civilization; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - Humanities.
Also offered as: HIST120. Credit only granted for: HIST120 or RELS120. Introduction to society and culture in the Middle East since the advent of Islam: as a personal and communal faith; as artistic and literary highlights of intellectual and cultural life; and as the interplay between politics and religion under the major Islamic regimes.

0101	Antoine Borrut MW 9:00am - 9:50am W 1:00pm - 1:50pm	Seats (Total: 20) KEY 0102 KEY 0119	Discussion
0102	Antoine Borrut MW 9:00am - 9:50am W 12:00pm - 12:50pm	Seats (Total: 20) KEY 0102 KEY 0119	Discussion
0103	Antoine Borrut MW 9:00am - 9:50am F 1:00pm - 1:50pm	Seats (Total: 20) KEY 0102 KEY 0119	Discussion
0104	Antoine Borrut MW 9:00am - 9:50am F 12:00pm - 12:50pm	Seats (Total: 20) KEY 0102 KEY 0119	Discussion

RELS170 **Greek and Roman Mythology**

RELS170 Greek and Roman Mythology; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course. GenEd: Distributive Studies - Humanities.
Also offered as: CLAS170. Credit only granted for: CLAS170 or RELS170. Additional information: This course cannot be taken for language credit. An introduction to the mythology of ancient Greece and Rome. This course is particularly recommended for students planning to major in foreign languages, English, history, the fine arts, or journalism. Taught in English.

0101	Eva Stehle MW 10:00am - 10:50am F 10:00am - 10:50am	Seats (Total: 24) MMH 1400 ASY 3221	Discussion
0102	Eva Stehle MW 10:00am - 10:50am Th 11:00am - 11:50am	Seats (Total: 24) MMH 1400 ASY 3221	Discussion
0103	Eva Stehle MW 10:00am - 10:50am Th 11:00am - 11:50am	Seats (Total: 24) MMH 1400 JMZ 2117	Discussion
0104	Eva Stehle MW 10:00am - 10:50am Th 12:30pm - 1:20pm	Seats (Total: 24) MMH 1400 ASY 3219	Discussion

0105	Eva Stehle MW 10:00am - 10:50am Th 12:30pm - 1:20pm	Seats (Total: 24) MMH 1400 LEF 1220	Discussion
0106	Eva Stehle MW 10:00am - 10:50am F 11:00am - 11:50am	Seats (Total: 24) MMH 1400 KEY 0124	Discussion
0107	Eva Stehle MW 10:00am - 10:50am F 10:00am - 10:50am	Seats (Total: 24) MMH 1400 KEY 0124	Discussion
0108	Eva Stehle MW 10:00am - 10:50am F 11:00am - 11:50am	Seats (Total: 24) MMH 1400 ASY 3221	Discussion
0201	Eva Stehle MW 11:00am - 11:50am F 1:00pm - 1:50pm	Seats (Total: 27) MMH 1400 TWS 0201	Discussion
0202	Eva Stehle MW 11:00am - 11:50am F 1:00pm - 1:50pm	Seats (Total: 27) MMH 1400 PLS 1113	Discussion
0203	Eva Stehle MW 11:00am - 11:50am Th 9:30am - 10:20am	Seats (Total: 27) MMH 1400 SQH 1105	Discussion
0204	Eva Stehle MW 11:00am - 11:50am Th 9:30am - 10:20am	Seats (Total: 27) MMH 1400 JMZ 2122	Discussion
0205	Eva Stehle MW 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 27) MMH 1400 BPS 1228	Discussion
0206	Eva Stehle MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 27) MMH 1400 BPS 1228	Discussion

0207	Eva Stehle	Seats (Total: 27)	
	MW 11:00am - 11:50am F 2:00pm - 2:50pm	MMH 1400 JMZ 3120	Discussion

RELS219L **Wisdom Literature and the Hebrew Bible**

RELS219L Wisdom Literature and the Hebrew Bible; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course.
Also offered as CMLT298L and JWST219L. An introduction to the various kinds of philosophical texts (wisdom literature) found in the Hebrew Bible with comparison to similar Ancient Near Eastern texts. The course examines the term "wisdom" as defining a genre of literature in the Hebrew Bible through readings from works such as Job, Ecclesiastes, and Proverbs. Some familiarity with the Hebrew Bible in original or translation is recommended.

0101	Jacqueline Vayntrub	Seats (Total: 32)
	TuTh 12:30pm - 1:45pm	ARM 0121

RELS219Q **Special Topics in Religious Studies; Dead Sea Scrolls**

RELS219Q Special Topics in Religious Studies: Dead Sea Scrolls; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as JWST219Q. Introduction to the texts, archaeology, history, and culture associated with the Dead Sea Scrolls. Special attention to developments in Second Temple Judaism and early Christianity, as well as the development of the texts of the Bible.

0101	Maxine Grossman	Seats (Total: 40)
	MW 11:00am - 12:15pm	BPS 0283

RELS236 **Philosophy of Religion**

RELS236 Philosophy of Religion; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Humanities.
Also offered as: PHIL236. Credit only granted for: PHIL236 or RELS236. A philosophical study of some of the main problems of religious thought: the nature of religious experience, the justification of religious belief, the conflicting claims of religion and science, and the relation between religion and morality.

0101	Dimiter Kirilov MW 1:00pm - 1:50pm F 10:00am - 10:50am	Seats (Total: 23) TYD 2106 LEF 2208	Discussion
0102	Dimiter Kirilov MW 1:00pm - 1:50pm F 12:00pm - 12:50pm	Seats (Total: 23) TYD 2106 MTH 0102	Discussion
0103	Dimiter Kirilov MW 1:00pm - 1:50pm F 1:00pm - 1:50pm	Seats (Total: 23) TYD 2106 MTH 0102	Discussion

RELS269G **Special Topics in Study Abroad II; From Asoka to Gandhi: Buddhism and Hinduism in Contemporary Society**

Contact department for information to register for this course.

RELS289D **God Wills It! The Crusades in Medieval and Modern Perspective**

RELS289D God Wills It! The Crusades in Medieval and Modern Perspective; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. GenEd: Distributive Studies - History and Social Sciences; Signature Courses - I-Series.

Also offered as HIST289D.

0101	Janna Bianchini MW 3:00pm - 3:50pm M 1:00pm - 1:50pm	Seats (Total: 20) SHM 2102 JMZ 1215	Discussion
0102	Janna Bianchini MW 3:00pm - 3:50pm M 2:00pm - 2:50pm	Seats (Total: 20) SHM 2102 LEF 1222	Discussion
0103	Janna Bianchini MW 3:00pm - 3:50pm W 2:00pm - 2:50pm	Seats (Total: 20) SHM 2102 LEF 1220	Discussion
0104	Janna Bianchini MW 3:00pm - 3:50pm M 10:00am - 10:50am	Seats (Total: 20) SHM 2102 KEY 0123	Discussion

0105	Janna Bianchini MW 3:00pm - 3:50pm W 10:00am - 10:50am	Seats (Total: 20) SHM 2102 KEY 0117	Discussion
0106	Janna Bianchini MW 3:00pm - 3:50pm W 1:00pm - 1:50pm	Seats (Total: 20) SHM 2102 ASY 3215	Discussion

RELS289T **The Practice of Tolerance in Religious Societies**

RELS289T The Practice of Tolerance in Religious Societies; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - Humanities; Diversity - Understanding Plural Societies; Signature Courses - I-Series.
Also offered as HIST140 and JWST289T. Credit will be granted for only one of the following: HIST289G, HIST140, JWST289T, or RELS289T.

0101	Bernard Cooperman TuTh 9:30am - 10:20am Tu 12:30pm - 1:20pm	Seats (Total: 20) KEY 1117 JMZ 1224	Discussion
0102	Bernard Cooperman TuTh 9:30am - 10:20am Th 11:00am - 11:50am	Seats (Total: 20) KEY 1117 JMZ 0103	Discussion
0103	Bernard Cooperman TuTh 9:30am - 10:20am Th 2:00pm - 2:50pm	Seats (Total: 20) KEY 1117 JMZ 1120	Discussion

RELS319A **Special Topics in Religious Studies; Early Medieval Art**

RELS319A Special Topics in Religious Studies: Early Medieval Art; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as ARTH313. Credit will be granted for one of the following: ARTH313 or RELS319A.

0101	Lauree Sails TuTh 2:00pm - 3:15pm	Seats (Total: 30) ASY 3215	

RELS319B **Special Topics in Religious Studies; Fifteenth-Century Italian Renaissance Art**

RELS319B Special Topics in Religious Studies: Fifteenth-Century Italian Renaissance Art; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as ARTH323. Credit will be granted for one of the following: ARTH323 or RELS319B.

0101	Meredith Gill	Seats (Total: 30)
	TuTh 11:00am - 12:15pm	ASY 3211

RELS340 **Europe in the Making: The Early Medieval West (A.D. 300-1000)**

RELS340 Europe in the Making: The Early Medieval West (A.D. 300-1000); (3 credits) Grade Method: REG/P-F/AUD.
Also offered as: HIST330. Credit only granted for: HIST330 or RELS340. From one empire to another: Rome to Charlemagne. This period is approached as a crucible in which classical, Christian, and Germanic elements merged, yielding new experimental syntheses. This course will deal with issues of authority, cultural trends, and the formation of group solidarity.

0101	Janna Bianchini	Seats (Total: 40)
	MW 1:00pm - 2:15pm	MMH 0108

RELS342 **Renaissance Europe**

RELS342 Renaissance Europe; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: HIST112 or HIST111; or Permission of instructor required. Also offered as: HIST332. Credit only granted for: HIST332 or RELS342. Intellectual developments in Italy and Northern Europe from 1300 to 1550 and their influence on the arts and religion; social and economics trends, including the rise of the commercial economy in cities; the family and the role of women in society; expansion of Europe overseas and the beginnings of colonization; emergence of the state and consequent changes in political theory.

0101	Stefano Villani	Seats (Total: 40)
	TuTh 11:00am - 12:15pm	KEY 1117

RELS419J **Advanced Topics in Religious Studies; Aztec Culture: Human Sacrifice and Conquest**

RELS419J Advanced Topics in Religious Studies: Aztec Culture: Human Sacrifice and Conquest; (3 credits) Grade Method: REG.
Also offered as LASC448J.

0101	James Maffie	Seats (Total: 30)
	MW 3:30pm - 4:45pm	TYD 1108

RELS419L **Advanced Topics in Religious Studies; Asian Religions in American Culture**

RELS419L Advanced Topics in Religious Studies: Asian Religions in American Culture; (3 credits) Grade Method: REG/P-F/AUD.

0101	John Caughey	Seats (Total: 35)
	MW 2:00pm - 3:15pm	HZF 0101
	Also offered as AMST418L and AAST498V.	

RELS419M **Advanced Topics in Religious Studies; Confucius in East Asia and Asian America**

RELS419M Advanced Topics in Religious Studies: Confucius in East Asia and Asian America; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as AAST498B and HIST428K.

0101	Lisa Mar	Seats (Total: 40)
	MW 2:00pm - 3:15pm	BPS 0283

RELS419O **Advanced Topics in Religious Studies; Is Judaism a Religion?**

RELS419O Advanced Topics in Religious Studies: Is Judaism a Religion?; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as JWST419O.

0101	Maxine Grossman	Seats (Total: 25)
	MW 2:00pm - 3:15pm	KEY 0120

RELS499 **Independent Study in Religious Studies; Independent Study in Religious Studies**

RELS499 *(PermReq)* **Independent Study in Religious Studies: Independent Study in Religious Studies; (1-3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: Department permission is required from the instructor.

0101	Maxine Grossman Contact instructor or department for details.	Seats (Total: 5)

RUSS Russian Fall 2012

RUSS101 **Intensive Elementary Russian I**

RUSS101 Intensive Elementary Russian I; (6 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Must have appropriate Foreign Language Placement Test (FLPT) score. Restriction: Must not be a native/fluent speaker of Russian. Credit only granted for: RUSS101 or (RUSS111 and RUSS112). This intensive first-year course is intended to develop the four skills: reading, writing, listening and speaking with an emphasis on communicative competence. This course has been put on a timed release system. Seats will be opended gradually by the registrar's office, to a total of 15 seats per section.

0101	Cynthia Martin, Zhanna Gerus-Vernola MWF 10:00am - 10:50am TuTh 9:30am - 10:45am	Seats (Total: 15) JMZ 1224 JMZ 2125
0201	Cynthia Martin, Zhanna Gerus-Vernola MWF 11:00am - 11:50am TuTh 11:00am - 12:15pm	Seats (Total: 15) JMZ 1224 JMZ 2125

RUSS201 **Intermediate Russian I**

RUSS201 Intermediate Russian I; (5 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
Prerequisite: RUSS102 or RUSS114; or Must have appropriate Foreign Language Placement Test (FLPT) score. Restriction: Must not be a native/fluent speaker of Russian. Continued activation and expansion of skills and knowledge acquired in an elementary Russian course with the goal of communicative competence.

0101	Ekaterina Demiyanova, Cynthia Martin MW 9:00am - 10:50am F 9:00am - 9:50am	Seats (Total: 15) JMZ 1215 JMZ 3120

RUSS289I **The Power of the Word: Freedom of Speech in the U.S. and Russia**

RUSS289I The Power of the Word: Freedom of Speech in the U.S. and Russia; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course. GenEd: Distributive Studies - Humanities; Signature Courses - I-Series.

0101	Cynthia Martin MW 3:30pm - 4:45pm	Seats (Total: 60) TYD 1102

RUSS301 **Advanced Russian I**

RUSS301 Advanced Russian I; (3 credits) Grade Method: REG/AUD.
Prerequisite: RUSS202; or students who have taken courses with similar or comparable course content may contact the department. Restriction: Must not be a native/fluent speaker of Russian. Advanced training in written Russian communicative structures.

0101	Maria Lekic MWF 10:00am - 10:50am	Seats (Total: 15) JMZ 1117
0201	Maria Lekic MWF 11:00am - 11:50am	Seats (Total: 15) JMZ 1117

RUSS321 **Survey of Russian Literature I**

RUSS321 Survey of Russian Literature I; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: RUSS202; or students who have taken courses with similar or comparable course content may contact the department. The first half of a survey of Russian literature.

0101	Elizabeth Papazian MW 2:00pm - 3:15pm	Seats (Total: 15) JMZ 2120

RUSS381 **Russian Civilization (in Russian) I**

RUSS381 Russian Civilization (in Russian) I; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: RUSS202. A historical survey of Russian civilization emphasizing architecture, painting, sculpture, music, ballet and the theater to the beginning of the 19th century pointing out the interrelationship of all with literary movements. Taught in Russian.

0101	Donald Hitchcock TuTh 11:00am - 12:15pm	Seats (Total: 15) JMZ 1123

RUSS386 **Experiential Learning**

RUSS386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Restriction: Junior standing or higher; and permission of ARHU-School of Languages, Literatures, and Cultures department. Contact the department to obtain section numbers.

Contact department for information to register for this course.

RUSS401 **Advanced Russian Composition**

RUSS401 Advanced Russian Composition; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: RUSS302; or students who have taken courses with similar or comparable course content may contact the department. Restriction: Not open to native speakers of Russian. Approaches to argumentation, organization of information, contextualized grammar, appropriateness of lexical choice, genre, and register.

0101	Elena Lozinsky TuTh 2:00pm - 3:15pm	Seats (Total: 15) JMZ 2123

RUSS405 **Russian-English Translation I**

RUSS405 Russian-English Translation I; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Completed or be concurrently enrolled in RUSS302. Introduction to the principles of translation of a particular genre, and is typically diplomatic, business, or literary.

0101	Elena Lozinsky TuTh 3:30pm - 4:45pm	Seats (Total: 15) JMZ 1122

RUSS411 **Linguistic Analysis of Russian I**

RUSS411 Linguistic Analysis of Russian I; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Completed or be concurrently enrolled in RUSS301. Elucidation of theoretical concepts of modern linguistics through the analysis of problematic concepts in the Russian linguistic system. Phonology and the syntax of the simple sentence.

0101	Donald Hitchcock	Seats (Total: 15)
	TuTh 12:30pm - 1:45pm	JMZ 1123

RUSS499 **Independent Study in Russian**

RUSS499 *(PermReq)* **Independent Study in Russian; (1-3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

RUSS798 **Independent Study**

RUSS798 Independent Study; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

RUSS799 **Thesis Research**

RUSS799 Thesis Research; (1-6 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

SLAA Second Language Acquisition and Application — Fall 2012

SLAA719 **Second Language Acquisition and Application Internship**

SLAA719 Second Language Acquisition and Application Internship; (3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

SLAA744 **Age Effects in Second Language Learning**

SLAA744 Age Effects in Second Language Learning; (3 credits) Grade Method: REG/AUD.
Prerequisite: SLAA610. Restriction: Permission of instructor. Credit only granted for: SLAA649M or SLAA744. Formerly: SLAA649M. Consideration of the empirical evidence for age effects in second language learning and its potential confounds. Critical evaluation of the differing interpretations of these effects and their implications for educational practice, SLA theory, development psychology, and research methodology.

0101	Robert De Keyser	Seats (Total: 15)
	W 4:00pm - 6:30pm	JMZ 1117

SLAA773 **The Heritage Language Speaker**

SLAA773 The Heritage Language Speaker; (3 credits) Grade Method: REG/AUD.
Restriction: Permission of instructor required for Master students. Critical exploration of the theoretical issues and existing experimental research on heritage language learning and use as well as consideration of classroom and curricular implications of heritage language learning.

0101	Kira Gor	Seats (Total: 15)
	Tu 4:00pm - 6:30pm	JMZ 1117

SLAA779 **Directed Research in Second Language Acquisition and Application**

SLAA779 Directed Research in Second Language Acquisition and Application; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

SLAA798 **Master's Independent Study**

SLAA798 Master's Independent Study; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

SLAA799 **Master's Thesis Research**

SLAA799 Master's Thesis Research; (1-6 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

SLAA888 **Doctoral Independent Study**

SLAA888 Doctoral Independent Study; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

SLAA888R **Doctoral Independent Study; Research Critique**

SLAA888R Doctoral Independent Study: Research Critique; (3 credits) Grade Method: REG/AUD.

0101	Michael Long	Seats (Total: 15)
	Th 5:00pm - 7:30pm	JMZ 3120

SLAA898 **Pre-Candidacy Research**

SLAA898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

SLAA899 **Doctoral Dissertation Research**

SLAA899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

SLLC School of Languages, Literatures and Cultures — Fall 2012

SLLC169B **Special Topics in Study Abroad I; Elementary Basque I**
Contact department for information to register for this course.

SLLC169C **Special Topics in Study Abroad I; Elementary Basque II**
Contact department for information to register for this course.

SLLC169D **Special Topics in Study Abroad I; Great Czech Writers**
Contact department for information to register for this course.

SLLC169L **Special Topics in Study Abroad I; Basque Language and Culture**
Contact department for information to register for this course.

SLLC269D **Special Topics in Study Abroad II; Catalan Language and Culture**
Contact department for information to register for this course.

SLLC269X **Special Topics in Study Abroad II; Intermediate Basque I**
Contact department for information to register for this course.

SLLC269Y **Special Topics in Study Abroad II; Intermediate Basque II**
Contact department for information to register for this course.

SLLC299R **Special Topics in World Cultures; Elementary Italian I**
Contact department for information to register for this course.

SLLC299Z **Special Topics in World Cultures; Spanish Civilization and Culture**
Contact department for information to register for this course.

SLLC309 **Language Partner Program**

SLLC309 *(PermReq)* **Languague Partner Program; (1 credit)** Grade Method: REG. Course meets on the following days: Sept. 24, Nov. 5, and Dec. 10.

0101	Gabriele Strauch	Seats (Total: 50)
	Meets September 24, 2012 - December 10, 2012	
	M 5:00pm - 7:00pm	Location: TBA

SLLC343 **Hollywood Genres After 1970**

SLLC343 Hollywood Genres After 1970; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: ENGL245, FILM245, SLLC283, or FILM283; or permission of ARHU-School of Languages, Literatures, and Cultures department. Also offered as: FILM343. Credit only granted for: SLLC343 or FILM343.* Introduction to contemporary Hollywood cinema.

0101	Luka Arsenjuk TuTh 9:30am - 10:45am Th 3:30pm - 6:00pm	Seats (Total: 30) TYD 1114 HBK 0302H

SLLC361 **Cinema and Globalization**

SLLC361 Cinema and Globalization; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: ENGL245, FILM245, SLLC283, or FILM283; or permission of ARHU-School of Languages, Literatures, and Cultures department. Also offered as: FILM361. Credit only granted for: SLLC361, FILM361, SLLC368G, or CMLT498C. Formerly: SLLC368G and CMLT498C.* Introduction to cinema as a global phenomenon.

0101	Luka Arsenjuk Tu 2:00pm - 3:15pm Th 2:00pm - 3:15pm Tu 3:30pm - 6:00pm	Seats (Total: 30) HBK 0105 HBK 0302J HBK 0302H

SLLC369A **Special Topics in Study Abroad III; Alternative Culture, Literature, Music and Lifestyles**
Contact department for information to register for this course.

SLLC369C **Special Topics in Study Abroad III; Czech Film**
Contact department for information to register for this course.

SLLC369D **Special Topics in Study Abroad III; Art and Dictatorship**
Contact department for information to register for this course.

SLLC369X **Special Topics in Study Abroad III; Advanced Basque I**
Contact department for information to register for this course.

SLLC369Y **Special Topics in Study Abroad III; Advanced Basque II**
Contact department for information to register for this course.

SLLC386 **Experiential Learning**

SLLC386 Experiential Learning; (3 credits) Grade Method: REG/P-F.
Prerequisite: Learning Proposal approved by the Office of Experiential Learning Programs, faculty sponsor and the student's internship sponsor. Restriction: Junior standing or higher.

2325	Lauretta Clough	Seats (Total: 1)
	Contact instructor or department for details.	

SLLC472 **International Business Cultures in Engineering and Technology**

SLLC472 *(PermReq)* **International Business Cultures in Engineering and Technology; (3 credits)** Grade Method: REG/P-F/AUD.
Restriction: Sophomore standing or higher. Also offered as: ENES472. Credit only granted for: ARHU439B, ARHU439E, ARHU439T, ENES472, SLLC471, SLLC472, or SLLC473. Formerly: ARHU439T. The goal of this course is to provide students with an understanding of cultural aspects pertaining to global business and engineering, and thereby increasing their awareness of the cultural factors that motivate decisions and behavior in the business world. Students will gain an understanding of how the business cultures in the rest of the world diverge from the American, and develop the cultural understanding, attitudes, and communication skills needed to function appropriately within an increasingly global and multicultural working environment.

0101	Kevin McClure	Seats (Total: 50)
	Th 5:00pm - 7:45pm	PHY 1204

SLLC601 **Teaching Foreign Languages in Higher Education**

SLLC601 *(PermReq)* **Teaching Foreign Languages in Higher Education; (1 credit)** Grade Method: REG.
Restriction: Permission of ARHU-School of Languages, Literatures, and Cultures department. Credit only granted for: SLLC601 or SPAN605. Formerly: SPAN605.
Methods and materials for teaching foreign languages in higher education.

0101	Mary Scullen	Seats (Total: 10)
	M 3:30pm - 4:45pm	JMZ 1117

SLLC698J **Special Topics in Interdisciplinary Studies; Ethnography in Transit: Disciplinary and Cultural Crossings**

SLLC698J Special Topics in Interdisciplinary Studies: Ethnography in Transit: Disciplinary and Cultural Crossings; (1 credit) Grade Method: REG/AUD.
Also offered as CMLT788E and ENGL888E. Class will meet on the following dates: Sept. 21, Oct. 5, 19, Nov. 16 and Dec. 7. Click here for more course information.

0101	Sheila Jelen F 2:00pm - 4:00pm	Seats (Total: 20) TWS 3132

SLLC789 **Master's Independent Study**

SLLC789 Master's Independent Study; (1-3 credits) Grade Method: REG.
Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

SLLC889 **Doctoral Independent Study**

SLLC889 *(PermReq)* **Doctoral Independent Study; (1-3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

SOCY Sociology Fall 2012

SOCY100 **Introduction to Sociology**

SOCY100 Introduction to Sociology; (3 credits) Grade Method: REG/P-F/AUD.
CORE Behavioral and Social Science (SB) Course. GenEd: Distributive Studies - History and Social Sciences.
The fundamental concepts and principles of sociology. Includes consideration of culture, patterns of social interaction, norms, values, social institutions, stratification, and social change.

0101	PJ Rey TuTh 9:30am - 10:45am	Seats (Total: 60) TYD 1102
0201	Ann Forsythe MWF 10:00am - 10:50am	Seats (Total: 60) ASY 2309

0301	Ann Forsythe MWF 9:00am - 9:50am	Seats (Total: 60) ASY 2309	
0401	Tyler Crabb TuTh 12:30pm - 1:45pm	Seats (Total: 60) ASY 1213	
0501	Lester Andrist MW 1:00pm - 1:50pm F 9:00am - 9:50am	Seats (Total: 22) ASY 2203 ASY 3207	 Discussion
0502	Lester Andrist MW 1:00pm - 1:50pm F 10:00am - 10:50am	Seats (Total: 22) ASY 2203 PLS 1158	 Discussion
0503	Lester Andrist MW 1:00pm - 1:50pm F 10:00am - 10:50am	Seats (Total: 22) ASY 2203 TYD 0102	 Discussion
0504	Lester Andrist MW 1:00pm - 1:50pm F 12:00pm - 12:50pm	Seats (Total: 21) ASY 2203 ASY 3221	 Discussion
0505	Lester Andrist MW 1:00pm - 1:50pm F 1:00pm - 1:50pm	Seats (Total: 21) ASY 2203 ASY 3221	 Discussion
0506	Lester Andrist MW 1:00pm - 1:50pm F 2:00pm - 2:50pm	Seats (Total: 21) ASY 2203 ASY 3221	 Discussion
0507	Lester Andrist MW 1:00pm - 1:50pm F 11:00am - 11:50am	Seats (Total: 21) ASY 2203 TYD 1101	 Discussion
0508	Lester Andrist MW 1:00pm - 1:50pm F 12:00pm - 12:50pm	Seats (Total: 21) ASY 2203 ASY 3215	 Discussion
0509	Lester Andrist MW 1:00pm - 1:50pm F 2:00pm - 2:50pm	Seats (Total: 21) ASY 2203 ASY 3215	 Discussion

0701	Candice Shannon MWF 12:00pm - 12:50pm	Seats (Total: 60) ASY 2309
FC01	Margaret Smith MW 7:30pm - 8:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 30) ASY 2309
FC02	Sarah Wanenchak TuTh 6:30pm - 7:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 30) ASY 1213

SOCY100H **Introduction to Sociology**

SOCY100H Introduction to Sociology; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. GenEd: Distributive Studies - History and Social Sciences.
The fundamental concepts and principles of sociology. Includes consideration of culture, patterns of social interaction, norms, values, social institutions, stratification, and social change. Open to Honor students only.

0101	Gheda Temsah MWF 8:00am - 8:50am	Seats (Total: 25) ASY 3203

SOCY105 **Introduction to Contemporary Social Problems**

SOCY105 Introduction to Contemporary Social Problems; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. GenEd: Distributive Studies - History and Social Sciences.
An examination of contemporary social problems through sociological perspectives; ways in which social problems are part of the organization of society; a detailed study of selected social problems including social conflict and social inequality.

0101	Sidra Montgomery TuTh 2:00pm - 3:15pm	Seats (Total: 60) ASY 1213
0201	Beverly Pratt TuTh 12:30pm - 1:45pm	Seats (Total: 40) ASY 2309

0301	Daniel Swann MWF 9:00am - 9:50am	Seats (Total: 60) ASY 1213	
0401	Beverly Pratt MW 2:00pm - 3:15pm	Seats (Total: 60) ASY 2309	
0501	William Yagatich TuTh 3:30pm - 4:45pm	Seats (Total: 60) ASY 1213	
0601	Kendra Barber MW 3:30pm - 4:45pm	Seats (Total: 60) ASY 2309	
FC01	Jonathan Jackson TuTh 5:00pm - 6:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 30) ASY 2309	

SOCY105U **Introduction to Contemporary Social Problems**
Contact department for information to register for this course.

SOCY200 **Human Societies**

SOCY200 Human Societies; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. GenEd: Distributive Studies - History and Social Sciences; Signature Courses - I-Series.
A comparative, historical, interdisciplinary study of human socieities that focuses on the main components of human societies, how they are organized, how they change, and how they come to shape our collective social existence.

0602	John Pease TuTh 12:30pm - 1:45pm F 9:00am - 9:50am	Seats (Total: 20) ASY 2203 ASY 3203	 Discussion
0604	John Pease TuTh 12:30pm - 1:45pm F 10:00am - 10:50am	Seats (Total: 20) ASY 2203 EDU 0114	 Discussion
0605	John Pease TuTh 12:30pm - 1:45pm F 11:00am - 11:50am	Seats (Total: 20) ASY 2203 ASY 3211	 Discussion

0606	John Pease TuTh 12:30pm - 1:45pm F 12:00pm - 12:50pm	Seats (Total: 20) ASY 2203 ASY 3203	Discussion
0608	John Pease TuTh 12:30pm - 1:45pm F 2:00pm - 2:50pm	Seats (Total: 20) ASY 2203 ASY 3219	Discussion
0609	John Pease TuTh 12:30pm - 1:45pm F 12:00pm - 12:50pm	Seats (Total: 20) ASY 2203 ASY 3219	Discussion

SOCY201 **Introductory Statistics for Sociology**

SOCY201 *(PermReq)* **Introductory Statistics for Sociology; (4 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: SOCY100 and MATH111; or students who have taken courses with similar or comparable course content may contact the department. Restriction: Must not have completed STAT400, BMGT231, or ENEE324. Credit only granted for: BIOM301, BMGT230, CCJS200, ECON321, EDMS451, GEOG306, GVPT422, PSYC200, or SOCY201. Elementary descriptive and inferential statistics. Construction and percentaging of bivariate contingency tables; frequency distributions and graphic presentations; measures of central tendency and dispersion; parametric and nonparametric measures of association and correlation; regression; probability; hypothesis testing; the normal, binomial and chi-square distributions; point and interval estimates.

0101	Alan Neustadtl TuTh 11:00am - 12:15pm W 8:00am - 9:50am	Seats (Total: 20) ASY 2309 LEF 0214	Lab
0102	Alan Neustadtl TuTh 11:00am - 12:15pm W 10:00am - 11:50am	Seats (Total: 20) ASY 2309 LEF 0214	Lab
0103	Alan Neustadtl TuTh 11:00am - 12:15pm W 12:00pm - 1:50pm	Seats (Total: 20) ASY 2309 LEF 0214	Lab

0104	Alan Neustadtl TuTh 11:00am - 12:15pm W 2:00pm - 3:50pm	Seats (Total: 20) ASY 2309 LEF 0214	 Lab

SOCY202 **Introduction to Research Methods in Sociology**

SOCY202 Introduction to Research Methods in Sociology; (4 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Scholarship in Practice. *Prerequisite: SOCY201.* The underlying logic, major strategies, specific techniques and skills of sociological research. Research design, measurement, data collection, sampling, field research experiments, surveys, index and scale construction, data analysis, interpretation and report writing.

0101	Christina Prell TuTh 11:00am - 12:15pm M 9:00am - 10:50am	Seats (Total: 20) ASY 1213 LEF 0221	 Lab
0102	Christina Prell TuTh 11:00am - 12:15pm M 11:00am - 12:50pm	Seats (Total: 20) ASY 1213 LEF 0221	 Lab
0103	Christina Prell TuTh 11:00am - 12:15pm F 9:00am - 10:50am	Seats (Total: 20) ASY 1213 LEF 0221	 Lab
0104	Christina Prell TuTh 11:00am - 12:15pm F 11:00am - 12:50pm	Seats (Total: 20) ASY 1213 LEF 0221	 Lab

SOCY203 **Sociological Theory**

SOCY203 Sociological Theory; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: SOCY100.* Development of the science of sociology; historical backgrounds; recent theories of society. Required of all sociology majors.

0201	Nathan Jurgenson MW 2:00pm - 3:15pm	Seats (Total: 80) ASY 1213	

SOCY227 **Introduction to the Study of Deviance**

SOCY227 Introduction to the Study of Deviance; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course.
Credit only granted for: SOCY227 or SOCY327. Formerly: SOCY327. An introduction to the sociological study of deviant behavior, covering such topics as mental illness, sexual deviance, and the use of drugs.

0201	Ann Horwitz	Seats (Total: 60)
	MWF 1:00pm - 1:50pm	ASY 1213

SOCY230 **Sociological Social Psychology**

SOCY230 Sociological Social Psychology; (3 credits) Grade Method: REG/P-F/AUD.
Theoretical perspectives and their applications. Socialization through the life course, the self-concept, attitudes, emotion, attribution, interpersonal relations, group processes, deviance, and social change.

0101	Jeffrey Lucas	Seats (Total: 175)
	MW 2:00pm - 3:15pm	ASY 2203

SOCY241 **Inequality in American Society**

SOCY241 Inequality in American Society; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. CORE Diversity (D) Course.
The dynamics of inequality: its social production, politics, future, and ideological bases. Utopian communities, efforts to eliminate inequality.

0101	Arthur Piszczatowski	Seats (Total: 47)
	MWF 12:00pm - 12:50pm	ASY 3207

SOCY305 **Scarcity and Modern Society**

SOCY305 Scarcity and Modern Society; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: 3 credits in SOCY courses.* Resource depletion and the deterioration of the environment. Relationship to lifestyles, individual consumer choices, cultural values, and institutional failures. Projection of the future course of American society on the basis of the analysis of scarcity, theories of social change, current trends, social movements, government actions, and the futurist literature.

0101	Kurt Finsterbusch TuTh 9:30am - 10:45am	Seats (Total: 60) ASY 1213

SOCY325 **The Sociology of Gender**

SOCY325 The Sociology of Gender; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Prerequisite: 3 credits in SOCY courses. Also offered as: WMST325. Credit only granted for: SOCY325 or WMST325. Institutional bases of gender roles and gender inequality, cultural perspectives on gender, gender socialization, feminism, and gender-role change. Emphasis on contemporary American society.

0101	Zachary Richer MWF 11:00am - 11:50am	Seats (Total: 60) ASY 1213
0201	Amy Baxter MWF 10:00am - 10:50am	Seats (Total: 60) ASY 1213
0301	Michelle Sandhoff MWF 12:00pm - 12:50pm	Seats (Total: 60) ASY 1213
0401	Mehmet Ergun TuTh 2:00pm - 3:15pm	Seats (Total: 60) ASY 2309
0501	Nihal Celik TuTh 8:00am - 9:15am	Seats (Total: 47) EDU 1121

SOCY358C **Special Topics in Study Abroad III; Livability in the Modern City**
Contact department for information to register for this course.

SOCY358D **Special Topics in Study Abroad III; Social Problems: Women's Issues (in Indian Society)**
Contact department for information to register for this course.

SOCY358F **Special Topics in Study Abroad III; Sociology of Contemporary Italy**
Contact department for information to register for this course.

SOCY358L **Special Topics in Study Abroad III; European Traditions in Sociology**
Contact department for information to register for this course.

SOCY358M **Special Topics in Study Abroad III; Muslims in the West**
Contact department for information to register for this course.

SOCY358N **Special Topics in Study Abroad III; Social Problems: Women's Issues Field Study**
Contact department for information to register for this course.

SOCY358O **Special Topics in Study Abroad III; Virtual Worlds and Social Media**
Contact department for information to register for this course.

SOCY380 **Honors Independent Reading in Sociology**

SOCY380 *(PermReq)* **Honors Independent Reading in Sociology; (3 credits)**
Grade Method: REG/P-F/AUD.
Restriction: Permission of BSOS-Sociology department. Formerly: SOCY378. This course permits sociology honor students to undertake a program or reading on a particular problem in sociology or a subfield therein. The reading will be done under the supervision of a member of the sociology faculty. Required of sociology honor students.

0101	Linda Moghadam	Seats (Total: 20)
	Contact instructor or department for details.	

SOCY381 **Honors Independent Research in Sociology**

SOCY381 *(PermReq)* **Honors Independent Research in Sociology; (3 credits)**
Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: SOCY380. Formerly: SOCY388. This course permits sociology students to define a particular problem in sociology or a subfield therein and to develop a research plan for use as a thesis topic. The work will be done under the supervision of a member of the sociology faculty.

Contact department for information to register for this course.

SOCY383 **Honors Thesis Research**

SOCY383 *(PermReq)* **Honors Thesis Research; (3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: SOCY381. Formerly: SOCY389. Student research under the direction of a member of the sociology faculty, culminating in the presentation and defense of a thesis reporting the research.

Contact department for information to register for this course.

SOCY386 **Experiential Learning**

SOCY386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Restriction: Permission of BSOS-Sociology department; and Junior standing or higher. To register, students must have departmental permission form signed by instructor and by Coordinator of Sociology Undergraduate Program.

Contact department for information to register for this course.

SOCY398E **Special Topics in Sociology; Israel: A Society of Migration and Immigrants**

SOCY398E Special Topics in Sociology: Israel: A Society of Migration and Immigrants; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as ISRL349C. Examines historical and current patterns of migration to Israel and compares them with other waves of immigration to the US and to Europe. We will also review migration theories and the history of mass population movements, and analyze factors such as ideology, politics and economics.

0101	Pnina Peri	Seats (Total: 40)
	MW 3:30pm - 4:45pm	HBK 0115

SOCY398M **Special Topics in Sociology; Microbrewing and Society**

SOCY398M Special Topics in Sociology: Microbrewing and Society; (1 credit) Grade Method: REG/P-F/AUD.

0101	John Robinson	Seats (Total: 20)
	Contact instructor or department for details.	

SOCY399 **Independent Study in Sociology**

SOCY399 *(PermReq)* **Independent Study in Sociology; (1-6 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
No more than 6 hours of 399 is allowed for credit.

Contact department for information to register for this course.

SOCY406 **Globalization**

SOCY406 Globalization; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: 6 credits in SOCY courses. Credit only granted for: SOCY406 or SOCY498G. Formerly: SOCY498G. An analysis of the forces driving globalization and its implications for THE SOCIAL WORLD; politics; culture (including American popular culture); technology; the media; the Internet; population flows; environmental changes and problems; other negative (or deviant) flows such as disease, crime and terrorism; inequality, as well as ways of dealing with or resisting globalization (alter-globalization).

0101	George Ritzer	Seats (Total: 25)
	MW 2:00pm - 3:15pm	ASY 3203

SOCY410 **Social Demography**

SOCY410 Social Demography; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: 6 credits in SOCY courses; or permission of BSOS-Sociology department. Types of demographic analysis; demographic data; population characteristics; migration; mortality; fertility; population theories; world population growth; population policy.

0101	Julie Park	Seats (Total: 35)
	TuTh 11:00am - 12:15pm	ASY 3207

SOCY411 **Demographic Techniques**

SOCY411 Demographic Techniques; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: (SOCY201; or students who have taken courses with similar or comparable course content may contact the department); and SOCY410. Or permission of BSOS-Sociology department. Basic techniques for analyzing population structure and demographic processes, including fertility, mortality and migration.

0101	Joan Kahn MW 2:00pm - 3:15pm	Seats (Total: 25) ASY 3207

SOCY412 **Family Demography**

SOCY412 Family Demography; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: 6 credits in SOCY courses. Formerly: SOCY312.* Family and population dynamics. Fertility issues, such as teenage pregnancy, the timing of parenthood, and family size; as they relate to family behavior, such as marital patterns, child care use, and work and the family. Policy issues that relate to demographic changes in the family.

0101	Michael Rendall MWF 10:00am - 10:50am	Seats (Total: 20) ASY 3203

SOCY424 **Sociology of Race Relations**

SOCY424 Sociology of Race Relations; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: 6 credits in SOCY courses; or permission of BSOS-Sociology department. Also offered as: AAST424. Credit only granted for: AAST424 or SOCY424.* Analysis of race-related issues, with a primary focus on American society. The historical emergence, development, and institutionalization of racism; the impact of racism on its victims; and racially based conflict.

0101	Kris Marsh TuTh 8:00am - 9:15am	Seats (Total: 30) ASY 3203
0201	Rashawn Ray TuTh 9:30am - 10:45am	Seats (Total: 28) ARC 1101

SOCY430 **Social Structure and Identity**

SOCY430 Social Structure and Identity; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: 6 credits in SOCY courses; or permission of BSOS-Sociology department.* Theoretical issues in social psychology, focusing on social construction of identity. Identity formation and transformation in social process. Structural and cultural dimensions of social identity.

0101	Catharine Warner TuTh 11:00am - 12:15pm	Seats (Total: 35) TYD 2102

SOCY431 **Principles of Organizations**

SOCY431 Principles of Organizations; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: 6 credits in SOCY courses; or permission of BSOS-Sociology department.* Structural and processual characteristics of organizations that make them effective for different purposes and in different environments. Effects of different institutional environments, small group processes, organizational networks, and leadership. Types of organizations studied include formal bureaucracies, professional organizations, and voluntary associations.

0101	Kurt Finsterbusch TuTh 3:30pm - 4:45pm	Seats (Total: 35) ARC 1105

SOCY441 **Social Stratification and Inequality**

SOCY441 Social Stratification and Inequality; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: 6 credits in SOCY courses; or permission of BSOS-Sociology department. Restriction: Junior standing or higher. The sociological study of social class, status, and power. Topics include theories of stratification, correlates of social position, functions and dysfunctions of social inequality, status inconsistency, and social mobility.

0101	John Pease TuTh 9:30am - 10:45am	Seats (Total: 80) ASY 2309

SOCY443 **The Family and Society**

SOCY443 The Family and Society; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: 6 credits in SOCY courses; or permission of BSOS-Sociology department.* Study of the family as a social institution; its biological and cultural foundations, historical development, changing structures and functions, the interaction of marriage and parenthood, disorganizing and reorganizing factors in present-day trends.

0101	Catharine Warner TuTh 8:00am - 9:15am	Seats (Total: 35) ASY 3207

SOCY450 **Measurement of Time, Work, and Leisure**

SOCY450 Measurement of Time, Work, and Leisure; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: 6 credits in SOCY courses. How Americans use time, with specific reference to work, housework, personal and free time activities. Time-use differences across methods, social groups and cultures. Subjective time. Implications for time management, societal quality of life, social policy, and theory.

0101	John Robinson MW 3:30pm - 4:45pm	Seats (Total: 20) ASY 3203
0201	John Robinson MW 11:00am - 12:15pm	Seats (Total: 15) ASY 4111

SOCY458E **Special Topics in Study Abroad IV; Gender and Postsocialist Transformation in Eastern Europe**
Contact department for information to register for this course.

SOCY458Z **Special Topics in Study Abroad IV; Gender and Sexuality in Scandinavia**
Contact department for information to register for this course.

SOCY467 **Sociology of Education**

SOCY467 Sociology of Education; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: 6 credits in SOCY courses; or permission of BSOS-Sociology department. Sociological analysis of educational institutions and their relation to society: goals and functions, the mechanisms of social control, and the impacts of stratification and social change. Study of the school as a formal organization, and the roles and subcultures of teachers and students.

0101	Linda Moghadam TuTh 12:30pm - 1:45pm	Seats (Total: 30) KNI 1105

SOCY498D **Selected Topics in Sociology; Demography of Aging**

SOCY498D Selected Topics in Sociology: Demography of Aging; (3 credits)
Grade Method: REG/P-F/AUD.

0101	Joan Kahn	Seats (Total: 25)
	MW 3:30pm - 4:45pm	ASY 3207

SOCY498E **Selected Topics in Sociology; Environmental Sociology**

SOCY498E Selected Topics in Sociology: Environmental Sociology; (3 credits)
Grade Method: REG/P-F/AUD.

0101	Dana Fisher	Seats (Total: 25)
	TuTh 12:30pm - 1:45pm	ASY 3207

SOCY602 **Statistics For Sociological Research II**

SOCY602 Statistics For Sociological Research II; (3 credits) Grade Method: REG/AUD.
Prerequisite: SOCY601; or students who have taken courses with similar or comparable course content may contact the department. Restriction: Permission of instructor. Credit only granted for: SOCY602 or SURV602. This course introduces regression analysis using matrix algebra. Topics include bivariate regression, multivariate regression, tests of significance, regression diagnostics, indicator variables, interaction terms, extra sum of squares, and the general linear model. Other topics may be addressed such as logistic regression and path analysis. Statistical programming software may be used.

0101	Alan Neustadtl	Seats (Total: 20)
	Th 3:30pm - 6:00pm	ASY 1101

SOCY620 **Development of European and American Sociological Theory**

SOCY620 Development of European and American Sociological Theory; (3 credits) Grade Method: REG/AUD.
Prerequisite: SOCY203 or SOCY403; or students who have taken courses with similar or comparable course content may contact the department; or permission of instructor. Review of the history of sociological thought with major attention to the key figures (from Marx to C. Wright Mills). For SOCY majors only.

0101	Roberto Korzeniewicz Tu 6:30pm - 9:00pm	Seats (Total: 20) ASY 2115

SOCY630 **Population and Society**

SOCY630 Population and Society; (3 credits) Grade Method: REG/AUD. Selected problems in the field of population; quantitative and qualitative aspects; American and world problems.

0101	Feinian Chen W 3:30pm - 6:00pm	Seats (Total: 20) ASY 1101

SOCY661 **Social Stratification**

SOCY661 Social Stratification; (3 credits) Grade Method: REG/AUD. *Restriction: Permission of instructor.* Major theoretical and research problems in the sociology of social stratification. The characteristics, correlates, and consequences of class and status stratification; the distribution of power; the relationship of social stratification to ideology and the institutional orders of society.

0101	Philip Cohen W 6:30pm - 9:00pm	Seats (Total: 15) ASY 1101

SOCY664 **Armed Forces and Society**

SOCY664 Armed Forces and Society; (3 credits) Grade Method: REG/AUD. Analysis of the relationship between military organization and modern industrial society. Growth and decline of the mass army, the transition from conscription to all-volunteer forces, the social legitimacy of military organization, the military as a form of industrial organization, and problems of civil-military relations in the modern world.

0101	David Segal Tu 3:30pm - 6:00pm	Seats (Total: 20) ASY 1101
PC01	David Segal Tu 3:30pm - 6:00pm *Open only to the Navy LEAD cohorts.*	Seats (Total: 20) ASY 1101

SOCY671 **Sociology of Development**

SOCY671 Sociology of Development; (3 credits) Grade Method: REG/AUD. *Restriction: Permission of instructor.* Third World development at institutional, organizational, and community levels; factors contributing to success, effectiveness and sustainability of development and to problems and hindrances.

0101	Kurt Finsterbusch Th 6:30pm - 9:00pm	Seats (Total: 13) ASY 4111

SOCY699 **Special Social Problems**

SOCY699 Special Social Problems; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

SOCY699A **Special Social Problems; Sociology Teaching Assistants Seminar**

SOCY699A Special Social Problems: Sociology Teaching Assistants Seminar; (1 credit) Grade Method: REG/AUD.

0101	Linda Moghadam M 12:00pm - 12:50pm	Seats (Total: 20) ASY 2115

SOCY699B **Special Social Problems; Sociology of Gender, Population and Development**

SOCY699B Special Social Problems: Sociology of Gender, Population and Development; (3 credits) Grade Method: REG/AUD.

0101	Sonalde Desai Tu 3:30pm - 6:00pm	Seats (Total: 15) ASY 2115

SOCY699D **Special Social Problems; Contemporary Sociological Methods**

SOCY699D Special Social Problems: Contemporary Sociological Methods; (3 credits) Grade Method: REG/AUD.

0101	Melissa Milkie M 3:30pm - 6:00pm	Seats (Total: 15) ASY 1117

SOCY699E **Special Social Problems; Crtical Race Initiative**

SOCY699E Special Social Problems: Crtical Race Initiative; (1 credit) Grade Method: REG/AUD.

0101	Patricia Collins	Seats (Total: 20)
	Contact instructor or department for details.	

SOCY699F **Special Social Problems; Apprenticeship in Social Research**

SOCY699F Special Social Problems: Apprenticeship in Social Research; (1 credit) Grade Method: REG/AUD.

0101	Feinian Chen	Seats (Total: 20)
	Contact instructor or department for details.	

SOCY699G **Special Social Problems; Theories of Globalization**

SOCY699G Special Social Problems: Theories of Globalization; (3 credits) Grade Method: REG/AUD.

0101	George Ritzer	Seats (Total: 20)
	M 3:30pm - 6:00pm	ASY 2115

SOCY699K **Special Social Problems; Group Processes and the Military**

SOCY699K Special Social Problems: Group Processes and the Military; (3 credits) Grade Method: REG/AUD.

0101	Jeffrey Lucas	Seats (Total: 20)
	M 6:30pm - 9:00pm	ASY 1101

SOCY699M **Special Social Problems; Dissertation Writing Workshop**

SOCY699M Special Social Problems: Dissertation Writing Workshop; (2 credits) Grade Method: REG/AUD.

0101	Kurt Finsterbusch	Seats (Total: 20)
	Contact instructor or department for details.	

SOCY699P **Special Social Problems; Pro-Seminar in Sociology**

SOCY699P Special Social Problems: Pro-Seminar in Sociology; (1 credit) Grade Method: REG/AUD.

0101	Philip Cohen	Seats (Total: 20)
	M 12:00pm - 12:50pm	ASY 2115

SOCY699Q **Special Social Problems; Apprenticeship in Teaching Sociology**

SOCY699Q Special Social Problems: Apprenticeship in Teaching Sociology; (1 credit) Grade Method: REG/AUD.

0101	Alan Neustadtl	Seats (Total: 20)
	Contact instructor or department for details.	

SOCY699R **Special Social Problems; Workshop in Current Sociological Issues**

SOCY699R Special Social Problems: Workshop in Current Sociological Issues; (1 credit) Grade Method: REG/AUD.

0101	Kris Marsh	Seats (Total: 20)
	Contact instructor or department for details.	

SOCY699V **Special Social Problems; Writing Workshop for Second Year Paper**

SOCY699V Special Social Problems: Writing Workshop for Second Year Paper; (1 credit) Grade Method: REG/AUD.

0101	Julie Park	Seats (Total: 20)
	Contact instructor or department for details.	

SOCY699W **Special Social Problems; Work in Progress**

SOCY699W Special Social Problems: Work in Progress; (1 credit) Grade Method: REG/AUD.

0101	Stanley Presser	Seats (Total: 20)
	Contact instructor or department for details.	

SOCY699Z **Special Social Problems; Workshop in PhD Specialty Exam Preparation**

SOCY699Z Special Social Problems: Workshop in PhD Specialty Exam Preparation; (1 credit) Grade Method: REG/AUD.

0101	Meredith Kleykamp	Seats (Total: 20)
	Contact instructor or department for details.	

SOCY729C **Advanced Special Topics in Substantive Theory; Intersectionality**

SOCY729C Advanced Special Topics in Substantive Theory: Intersectionality; (3 credits) Grade Method: REG/AUD.

0101	Patricia Collins	Seats (Total: 9)
	M 3:30pm - 6:00pm	ASY 1101

SOCY799 **Master's Thesis Research**

SOCY799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

SOCY819 **Research Seminar in Social Psychology**

SOCY819 Research Seminar in Social Psychology; (1 credit) Grade Method: REG/AUD.

0101	Stanley Presser	Seats (Total: 10)
	Contact instructor or department for details.	

SOCY829 **Research Seminar in Sociological Theory**

SOCY829 Research Seminar in Sociological Theory; (1 credit) Grade Method: REG/AUD.

0101	George Ritzer	Seats (Total: 10)
	Contact instructor or department for details.	

SOCY839 **Research Seminar in Organizations and Occupations**

SOCY839 Research Seminar in Organizations and Occupations; (1 credit) Grade Method: REG/AUD.

0101	Kurt Finsterbusch	Seats (Total: 10)
	Contact instructor or department for details.	

SOCY849 **Research Seminar in Demography**

SOCY849 Research Seminar in Demography; (1 credit) Grade Method: REG/AUD.

0101	Sonalde Desai	Seats (Total: 10)
	Contact instructor or department for details.	

SOCY858 **Research Seminar in Gender, Work and Family**

SOCY858 Research Seminar in Gender, Work and Family; (1 credit) Grade Method: REG/AUD.

0101	Reeve Vanneman	Seats (Total: 10)
	Contact instructor or department for details.	

SOCY869 **Research Seminar in Military Sociology**

SOCY869 Research Seminar in Military Sociology; (1 credit) Grade Method: REG/AUD.

0101	David Segal	Seats (Total: 10)
	Contact instructor or department for details.	

SOCY889 **Research Seminar in Social Stratification**

SOCY889 Research Seminar in Social Stratification; (1 credit) Grade Method: REG/AUD.

0101	Alan Neustadtl	Seats (Total: 10)
	Contact instructor or department for details.	

SOCY898 **Pre-Candidacy Research**

SOCY898 *(PermReq)* **Pre-Candidacy Research; (1-8 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

SOCY899 **Doctoral Dissertation Research**

SOCY899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

SPAN Spanish Fall 2012

SPAN103 **Intensive Elementary Spanish**

SPAN103 Intensive Elementary Spanish; (4 credits) Grade Method: REG/P-F/AUD. *Prerequisite: Must have appropriate Foreign Language Placement Test (FLPT) score. Restriction: Must not be a native/fluent speaker of Spanish; or must not have completed SPAN101 or SPAN102. Credit only granted for: SPAN102 or SPAN103.* Covers speaking, reading, writing, listening, and culture of Spanish-speaking world. Recommended for students who have completed Level 2 with a grade of A or B, or Level 3 with a grade of C or below in high school, or the first semester of college Spanish at another institution. Limited exceptions may be granted for students with weak preparations or several years lapse since study in high school. Students must present high school and/or college transcripts on the first day of class to assure proper placement. Exceptions must be approved in advance by the departmental advisor, in JMZ 2202.

0101	Lina Morales Chacana MTuWF 10:00am - 10:50am	Seats (Total: 25) JMZ 0103
0201	Samuel Ginsburg MTuWF 11:00am - 11:50am	Seats (Total: 25) JMZ 0103
0301	Carla Onate MTuWF 12:00pm - 12:50pm	Seats (Total: 25) JMZ 0103
0401	Maria Monsalve MTuWF 1:00pm - 1:50pm	Seats (Total: 25) JMZ 0103

0501	Ginette Eldredge MTuWF 2:00pm - 2:50pm	Seats (Total: 25) JMZ 0103
0601	Melissa Gonzalez-Contreras MWF 11:00am - 11:50am Tu 11:00am - 11:50am	Seats (Total: 25) JMZ 1215 JMZ 0208

SPAN169O **Special Topics in Study Abroad I; Beginner Spanish I**
Contact department for information to register for this course.

SPAN169X **Special Topics in Study Abroad I; Elementary Spanish I**
Contact department for information to register for this course.

SPAN169Y **Special Topics in Study Abroad I; Elementary Spanish II**
Contact department for information to register for this course.

SPAN203 **Intensive Intermediate Spanish**

SPAN203 Intensive Intermediate Spanish; (4 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
Prerequisite: SPAN103; or Must have appropriate Foreign Language Placement Test (FLPT) score. Restriction: Must not be a native/fluent speaker of Spanish. Covers speaking, reading, writing, listening, and culture of Spanish-speaking world.

0101	Carla Onate MWF 9:00am - 9:50am Th 9:00am - 9:50am	Seats (Total: 25) JMZ 0205 JMZ 1122
0201	Carla Onate MWThF 10:00am - 10:50am	Seats (Total: 25) JMZ 0208
0301	Douglas Glynn MWF 11:00am - 11:50am Th 11:00am - 11:50am	Seats (Total: 25) JMZ 1120 JMZ 0122
0401	Luis Charry MWThF 11:00am - 11:50am	Seats (Total: 25) JMZ 0208

0501	Luis Charry MWThF 12:00pm - 12:50pm	Seats (Total: 25) JMZ 0208
0601	Evelyn Canabal-Torres MWThF 1:00pm - 1:50pm	Seats (Total: 25) JMZ 0208
0701	Evelyn Canabal-Torres MWThF 2:00pm - 2:50pm	Seats (Total: 25) JMZ 0208

SPAN204 **Spanish Grammar Review**

SPAN204 Spanish Grammar Review; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
Prerequisite: SPAN203; or Must have appropriate Foreign Language Placement Test (FLPT) score. Restriction: Not open to fluent/native speakers of Spanish. An in-depth study and analysis of selected grammatical topics in a contextualized framework.

0101	Sebastian Bartis MWF 10:00am - 10:50am	Seats (Total: 25) HZF 0101
0201	Sebastian Bartis MWF 11:00am - 11:50am	Seats (Total: 25) HZF 0101
0301	Lisa Carney MWF 1:00pm - 1:50pm	Seats (Total: 25) JMZ 0125
0401	Maria Gomez-Martin MWF 12:00pm - 12:50pm	Seats (Total: 25) JMZ 0118
0501	Lisa Carney MWF 2:00pm - 2:50pm	Seats (Total: 25) JMZ 0125

SPAN206 **Review of Oral and Written Spanish for Native Speakers Educated in the United States**

SPAN206 Review of Oral and Written Spanish for Native Speakers Educated in the United States; (3 credits) Grade Method: REG/P-F/AUD.
Restriction: Must have native or near native knowledge of oral Spanish; and Must have no formal education in Spanish. Review of oral and written Spanish for students who have native or near-native ability in Spanish, but have never studied it in a formal setting. Offered fall only.

0101	Evelyn Canabal-Torres MWF 10:00am - 10:50am	Seats (Total: 25) JMZ 2123
0201	Evelyn Canabal-Torres MWF 11:00am - 11:50am	Seats (Total: 25) JMZ 2123

SPAN207 **Reading and Writing in Spanish**

SPAN207 Reading and Writing in Spanish; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Humanities.
Prerequisite: Minimum grade of B+ in SPAN203; or completed or be concurrently enrolled in SPAN204; or Must have appropriate Foreign Language Placement Test (FLPT) score. Selected readings with emphasis on reading comprehension and the development of reading strategies. Work in composition writing and a review of selected grammatical topics. Complements material of SPAN204.

0101	Karen Krausen MWF 10:00am - 10:50am	Seats (Total: 25) JMZ 2207
0201	Ivette Rodriguez-Santana MWF 11:00am - 11:50am	Seats (Total: 25) KEY 0121
0301	Ivette Rodriguez-Santana MWF 12:00pm - 12:50pm	Seats (Total: 25) KEY 0123
0401	Maggy Rodriguez MWF 1:00pm - 1:50pm	Seats (Total: 25) JMZ 1224
0501	Sofia Calzada-Orihuela MWF 2:00pm - 2:50pm	Seats (Total: 25) JMZ 1124
0601	Laura Quijano MWF 12:00pm - 12:50pm	Seats (Total: 25) JMZ 1224

SPAN234 **Issues in Latin American Studies I**

SPAN234 Issues in Latin American Studies I; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - History and Social Sciences or Distributive Studies - Humanities; Diversity - Understanding Plural Societies.
Also offered as: PORT234, LASC234. Credit only granted for: SPAN234, PORT234, or LASC234. Interdisciplinary study of major issues in Latin America and the Caribbean, including Latin America's cultural mosaic, migration and urbanization. Democratization and the role of religions. Taught in English.

0101	Talia Guzman-Gonzalez TuTh 2:00pm - 3:15pm	Seats (Total: 35) JMZ 2206
0201	Beatrice Gurwitz MW 11:00am - 12:15pm	Seats (Total: 30) HBK 0115

SPAN234H **Issues in Latin American Studies I**

SPAN234H Issues in Latin American Studies I; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - History and Social Sciences or Distributive Studies - Humanities; Diversity - Understanding Plural Societies.
Also offered as: PORT234, LASC234. Credit only granted for: SPAN234, PORT234, or LASC234. Interdisciplinary study of major issues in Latin America and the Caribbean, including Latin America's cultural mosaic, migration and urbanization. Democratization and the role of religions. Taught in English. Open to Honor students only.

0201	Beatrice Gurwitz MW 11:00am - 12:15pm	Seats (Total: 5) HBK 0115

SPAN269A **Special Topics in Study Abroad II; B1 Intermediate Level Spanish 1**
Contact department for information to register for this course.

SPAN269D **Special Topics in Study Abroad II; Catalan Language and Culture**
Contact department for information to register for this course.

SPAN269I **Special Topics in Study Abroad II; Intermediate Spanish**
Contact department for information to register for this course.

SPAN269L **Special Topics in Study Abroad II; Spanish Language B1**
Contact department for information to register for this course.

SPAN301 **Advanced Grammar and Composition I**

SPAN301 Advanced Grammar and Composition I; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Completed or be concurrently enrolled in SPAN207. Practice of complex grammatical structures through reading and writing of compositions and essays. Specific lexical, syntactic, rhetorical, and stylistic devices will be highlighted.

0101	Ana Acedo Garcia MWF 9:00am - 9:50am	Seats (Total: 20) JMZ 1122
0201	Ana Acedo Garcia MWF 10:00am - 10:50am	Seats (Total: 20) JMZ 1122
0301	Laura Quijano MWF 11:00am - 11:50am	Seats (Total: 20) JMZ 1124
0401	Chila Hidalgo MWF 12:00pm - 12:50pm	Seats (Total: 20) JMZ 1122
0501	Ana Acedo Garcia MWF 2:00pm - 2:50pm	Seats (Total: 20) JMZ 1122
0601	Ana Acedo Garcia MWF 1:00pm - 1:50pm	Seats (Total: 20) JMZ 1122
0701	Chila Hidalgo MWF 10:00am - 10:50am	Seats (Total: 20) JMZ 1124
0801	Chila Hidalgo MWF 1:00pm - 1:50pm	Seats (Total: 20) JMZ 0122

SPAN302 **Advanced Grammar and Composition II**

SPAN302 Advanced Grammar and Composition II; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: SPAN301. Practice in and writing of different types of compositions and essays, including narrations, descriptions, and persuasive writing. Review of problematic syntactical structures.

0101	Norman Gonzalez MWF 12:00pm - 12:50pm	Seats (Total: 20) JMZ 1120
0201	Norman Gonzalez MWF 1:00pm - 1:50pm	Seats (Total: 20) JMZ 2120
0401	Ana Acedo Garcia MWF 11:00am - 11:50am	Seats (Total: 20) JMZ 1122

SPAN303 **Approaches to Cultural Materials in the Hispanic World**

SPAN303 Approaches to Cultural Materials in the Hispanic World; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: SPAN207; or permission of instructor. Development of proficiency in critical thought through the reading, viewing, and analytical discussion of major genres and styles of cultural materials selected from Spanish-speaking world. Taught in Spanish.

0101	Maria Campero MW 10:00am - 10:50am F 10:00am - 10:50am	Seats (Total: 20) KEY 0120 SQH 1107
0201	Regina Harrison TuTh 12:30pm - 1:45pm	Seats (Total: 20) JMZ 2207
0301	Ana Rodriguez MW 2:00pm - 3:15pm	Seats (Total: 20) JMZ 3120
0401	Mehl Penrose TuTh 11:00am - 12:15pm	Seats (Total: 20) JMZ 1117
0501	Sandra Cypess TuTh 2:00pm - 3:15pm	Seats (Total: 20) JMZ 2117

0601	Ana Rodriguez MW 3:30pm - 4:45pm	Seats (Total: 20) JMZ 3203

SPAN310 **Spanish Phonetics**

SPAN310 Spanish Phonetics; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: SPAN301 and SPAN303; and permission of ARHU-School of Languages, Literatures, and Cultures department.* Descriptive study of the Spanish sound system. Practice in phonetic perception, transcription, and articulation. Particular attention to sentence phonetics; juncture, rhythm, stress, pitch.

0101	Manel Lacorte TuTh 12:30pm - 1:45pm	Seats (Total: 20) JMZ 2122

SPAN315 **Commercial Spanish I**

SPAN315 Commercial Spanish I; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: SPAN301 and SPAN303; or permission of ARHU-School of Languages, Literatures, and Cultures department.* Business Spanish terminology, vocabulary and practices. Emphasis on everyday spoken and written Spanish. Readings and discussions of Spanish commercial topics. May include exposure to Spanish commercial topics. May include exposure to Spanish business environments. Offered fall only.

0101	Oscar Santos Sopena MWF 9:00am - 9:50am	Seats (Total: 25) JMZ 2207
0201	Fabian Faccio MWF 10:00am - 10:50am	Seats (Total: 25) JMZ 2120
0301	Fabian Faccio MWF 11:00am - 11:50am	Seats (Total: 25) JMZ 2207
0401	Fabian Faccio MWF 12:00pm - 12:50pm	Seats (Total: 25) JMZ 2207
0501	Fabian Faccio MWF 1:00pm - 1:50pm	Seats (Total: 25) JMZ 2207

SPAN316 **Practicum in Translation I**

SPAN316 *(PermReq)* **Practicum in Translation I; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: SPAN301 and SPAN303; or permission of ARHU-School of Languages, Literatures, and Cultures department. Translation of non-literary, non-technical texts into Spanish and/or English. Offered fall only.

0101	Rebeca Moreno-Orama MWF 10:00am - 10:50am	Seats (Total: 20) PLS 1162
0201	Andrew Milacci MWF 11:00am - 11:50am	Seats (Total: 20) JMZ 2120
0301	Andrew Milacci MWF 12:00pm - 12:50pm	Seats (Total: 20) JMZ 2123
0401	Maria Becerril Longares MWF 12:00pm - 12:50pm	Seats (Total: 20) JMZ 3205
0501	Jason Bartles MWF 1:00pm - 1:50pm	Seats (Total: 20) JMZ 2123

SPAN331 **Spanish Culture, Civilization and Literature I: Medieval Times**

SPAN331 Spanish Culture, Civilization and Literature I: Medieval Times; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: SPAN301 and SPAN303; or permission of instructor. Restriction: Must not have completed SPAN325 or SPAN321. Credit only granted for: SPAN321, SPAN325, or SPAN331. The exploration of cultures of the Iberian Peninsula from its origins until the 15th century as well as the study of historical and political events that gave rise to the Spanish state. Taught in Spanish.

0101	Carmen Benito-Vessels TuTh 11:00am - 12:15pm	Seats (Total: 25) JMZ 2123

SPAN333 **Spanish Culture, Civilization and Literature III: Modern Times**

SPAN333 Spanish Culture, Civilization and Literature III: Modern Times; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: SPAN301 and SPAN303; or permission of instructor. Restriction: Must not have completed SPAN322 or SPAN326. Credit only granted for: SPAN322, SPAN326, or SPAN333. An overview of cultural and literary production of Spain from the late 17th century through the present day, exploring the production of literary texts in their socio-historical, political, religious and cultural contexts and development. Taught in Spanish.

0101	Jose Naharro-Calderon MW 3:30pm - 4:45pm	Seats (Total: 25) JMZ 3120

SPAN361 **Latin American Literatures and Cultures I: From Pre-Columbian to Colonial Times**

SPAN361 Latin American Literatures and Cultures I: From Pre-Columbian to Colonial Times; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: SPAN301 and SPAN303; or permission of instructor. Restriction: Must not have completed SPAN323 or SPAN346. Credit only granted for: SPAN361, SPAN323, or SPAN346. Overview of cultural history of Latin America from pre-Columbian civilizations to the Colonial period, exploring the foundations of the Spanish American cultural and literary tradition to approximately 1770. Taught in Spanish.

0101	Eyda Merediz TuTh 3:30pm - 4:45pm	Seats (Total: 25) JMZ 3120
0201	Saul Sosnowski TuTh 2:00pm - 3:15pm	Seats (Total: 25) JMZ 0125
0301	Sofia Calzada-Orihuela MWF 12:00pm - 12:50pm	Seats (Total: 25) KEY 0120

SPAN362 **Latin American Literatures and Cultures II: From Independence to Nation Formation**
Contact department for information to register for this course.

SPAN363 **Latin American Literatures and Cultures III: From Modernism to Neo-Liberalism**

SPAN363 Latin American Literatures and Cultures III: From Modernism to Neo-Liberalism; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: SPAN301 and SPAN303; or permission of instructor. Restriction: Must not have completed SPAN324 or SPAN347. Credit only granted for: SPAN324, SPAN347, or SPAN363. An overview of cultural and literary production of Latin America from the late 19th through the early 21st centuries, exploring the production of literary texts in their socio-historical, political, and cultural contexts and development. Taught in Spanish.

0101	Laura Demaria	Seats (Total: 25)
	MW 2:00pm - 3:15pm	JMZ 2117

SPAN369A	**Special Topics in Study Abroad III; Advanced Oral Communication in Spanish** **Contact department for information to register for this course.**
SPAN369B	**Special Topics in Study Abroad III; Advanced Academic Writing in Spanish** **Contact department for information to register for this course.**
SPAN369F	**Special Topics in Study Abroad III; Spanish Oral Skills through Theatre** **Contact department for information to register for this course.**
SPAN369I	**Special Topics in Study Abroad III; Independent Survey** **Contact department for information to register for this course.**
SPAN369M	**Special Topics in Study Abroad III; Spanish Language B2** **Contact department for information to register for this course.**
SPAN369O	**Special Topics in Study Abroad III; Spanish Conversation and Oral Skills** **Contact department for information to register for this course.**
SPAN369P	**Special Topics in Study Abroad III; Spanish Oral Techniques** **Contact department for information to register for this course.**
SPAN369W	**Special Topics in Study Abroad III; Spanish Stylistics: Advanced Spanish Writing and Stylistics** **Contact department for information to register for this course.**
SPAN386	**Experiential Learning**

SPAN386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: Permission of ARHU-School of Languages, Literatures, and Cultures department. Restriction: Junior standing or higher.

Contact department for information to register for this course.

SPAN399 **Independent Study in Spanish**

SPAN399 *(PermReq)* **Independent Study in Spanish; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department.

Contact department for information to register for this course.

SPAN401 **Advanced Composition I**
Contact department for information to register for this course.

SPAN402 **Advanced Composition II**
Contact department for information to register for this course.

SPAN408J **Great Themes of the Hispanic Literatures; Unfolding the City, Narrating the Urban: Contemporary Interventions in the Southern Cone**

SPAN408J Great Themes of the Hispanic Literatures: Unfolding the City, Narrating the Urban: Contemporary Interventions in the Southern Cone; (3 credits) Grade Method: REG/P-F/AUD.

0101	Laura Demaria	Seats (Total: 25)
	MW 1:00pm - 1:50pm	JMZ 2117
	F 1:00pm - 1:50pm	TYD 2108

SPAN408V **Great Themes of the Hispanic Literatures; Bourgeois Notions of Gender and Sexual Transressions in the Spanish Realist/Naturalist Novel**

SPAN408V Great Themes of the Hispanic Literatures: Bourgeois Notions of Gender and Sexual Transressions in the Spanish Realist/Naturalist Novel; (3 credits) Grade Method: REG/P-F/AUD.

0101	Mehl Penrose TuTh 12:30pm - 1:45pm	Seats (Total: 25) JMZ 2123

SPAN408W **Great Themes of the Hispanic Literatures; The Bright Middle Ages**

SPAN408W Great Themes of the Hispanic Literatures: The Bright Middle Ages; (3 credits) Grade Method: REG/P-F/AUD.

0101	Carmen Benito-Vessels TuTh 9:30am - 10:45am	Seats (Total: 25) JMZ 2206

SPAN408Y **Great Themes of the Hispanic Literatures; Contemporary Spanish Short Story**
Contact department for information to register for this course.

SPAN408Z **Great Themes of the Hispanic Literatures; 20th Century Contemporary Latin American Cinema**
Contact department for information to register for this course.

SPAN409F **Great Themes of the Hispanic Literatures; Literary Myths and Philosophy in the European Tradition**
Contact department for information to register for this course.

SPAN409L **Great Themes of the Hispanic Literatures; 20th Century and Contemporary Latin American Short Story**
Contact department for information to register for this course.

SPAN409O **Great Themes of the Hispanic Literatures; Images of Spain in Contemporary Cinema**
Contact department for information to register for this course.

SPAN409X **Great Themes of the Hispanic Literatures; The Spanish Mystery Novel**
Contact department for information to register for this course.

SPAN409Y **Great Themes of the Hispanic Literatures; Filmmaking in Spain**
Contact department for information to register for this course.

SPAN422 **Cross-Cultural Communication**
Contact department for information to register for this course.

SPAN425 **Introduction to Hispanic Linguistics I: Basic Concepts**

SPAN425 Introduction to Hispanic Linguistics I: Basic Concepts; (3 credits)
Grade Method: REG/P-F/AUD.
Prerequisite: SPAN301 and SPAN303; or permission of ARHU-School of Languages, Literatures, and Cultures department. This course begins with an introduction to general concepts in linguistics, from language function and the brain to communication, culture, and thought, and their relation to other disciplines in the social sciences. The main purpose of this course is to provide an overview of Hispanic linguistics through multiple perspectives, while exploring the areas of Spanish morphology, syntax, and semantics. This course will also focus on the structural tendencies of Spanish through a variety of practical activities.

0101	Manel Lacorte	Seats (Total: 20)
	TuTh 3:30pm - 4:45pm	JMZ 2117

SPAN449Z **Special Topics in Spanish Civilization; Barcelona/ Madrid: Literature & Film in the Contemporary City**
Contact department for information to register for this course.

SPAN450 **The Hispanic Caribbean**

SPAN450 The Hispanic Caribbean; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: SPAN333, SPAN361, SPAN331, SPAN332, SPAN362, or SPAN363. Credit only granted for: SPAN408C or SPAN450. Formerly: SPAN408C. Explores the Hispanic Caribbean as "island spaces" of multiple migrations and cultural identities, as sites of colonial experiences and post-colonial debates.

0101	Juan Carlos Quintero-Herencia	Seats (Total: 25)
	MWF 10:00am - 10:50am	JMZ 2117

SPAN462 **Twentieth Century Drama**
Contact department for information to register for this course.

SPAN463 **Latin American Drama**
Contact department for information to register for this course.

SPAN464 **Contemporary Spanish Poetry**
Contact department for information to register for this course.

SPAN469D **Study Abroad Special Topics IV; Chilean History**

Contact department for information to register for this course.

SPAN479 **Honors Thesis**

SPAN479 *(PermReq)* **Honors Thesis; (3-6 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

SPAN495 **Honors Reading**

SPAN495 Honors Reading; (3 credits) Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number. *Prerequisite: Must be in Spanish and Portuguese Honors; or permission of ARHU-School of Languages, Literatures, and Cultures department.* Supervised reading.

Contact department for information to register for this course.

SPAN699 **Independent Study in Spanish**

SPAN699 Independent Study in Spanish; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

SPAN788T **Seminar Series in Spanish and Latin American Languages, Literatures, and Cultures; Juan Ramon Jimenez Series**

SPAN788T Seminar Series in Spanish and Latin American Languages, Literatures, and Cultures: Juan Ramon Jimenez Series; (1 credit) Grade Method: REG/AUD.

0101	Instructor: TBA Contact instructor or department for details.	Seats (Total: 10)

SPAN798F **Open Seminar; Colonial Meets Transatlantic**

SPAN798F Open Seminar: Colonial Meets Transatlantic; (3 credits) Grade Method: REG/AUD.

0101	Eyda Merediz Th 6:00pm - 8:30pm	Seats (Total: 10) JMZ 2123

SPAN798T **Open Seminar; Latin American Theater**

SPAN798T Open Seminar: Latin American Theater; (3 credits) Grade Method: REG/AUD.

0101	Sandra Cypess	Seats (Total: 10)
	Tu 4:30pm - 7:00pm	JMZ 2125

SPAN798V **Open Seminar; Luso-Brazilian Studies**

SPAN798V Open Seminar: Luso-Brazilian Studies; (3 credits) Grade Method: REG/AUD.

0101	Talia Guzman-Gonzalez	Seats (Total: 10)
	W 4:30pm - 7:00pm	JMZ 2125

SPAN798W **Open Seminar; Cine Peninsular**

SPAN798W Open Seminar: Cine Peninsular; (3 credits) Grade Method: REG/AUD.

0101	Jose Naharro-Calderon	Seats (Total: 10)
	M 5:30pm - 8:00pm	JMZ 2122

SPAN799 **Master's Thesis Research**

SPAN799 Master's Thesis Research; (1-6 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

SPAN898 **Pre-Candidacy Research**

SPAN898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

SPAN899 **Doctoral Dissertation Research**

SPAN899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

SPHL Public Health Fall 2012

SPHL298A **Applications in Public Health; School of Public Health Ambassador Program**

SPHL298A *(PermReq)* **Applications in Public Health: School of Public Health Ambassador Program; (1 credit)** Grade Method: REG/P-F/AUD.

0101	Erin Caporellie	Seats (Total: 13)
	W 5:00pm - 6:30pm	Location: TBA

SPHL400 **Introduction to Global Health**

SPHL400 Introduction to Global Health; (3 credits) Grade Method: REG/P-F/AUD. *Credit only granted for: SPHL400 or SPHL498A. Formerly: SPHL498A.* Exploration of theoretical frameworks and practical perspectives on issues shaping the global health panorama. Determinants examined through: biological and epidemiological; social, cultural and economic; environmental and geographic; multi-section, legal and institutional perspectives with synopsis of how these issues are addressed by international and community organizations in developing countries.

SG91	Muhiuddin Haider	Seats (Total: 35)
	W 2:00pm - 4:50pm	BLD3 4212
	Class meets at the Shady Grove campus. Restricted to School of Public Health students. Permission of program director is required fo other UMCP undergraduate students to enroll.	

SPHL401 **History of Public Health**

SPHL401 History of Public Health; (3 credits) Grade Method: REG/P-F/AUD. *Credit only granted for: SPHL401 or SPHL498E. Formerly: SPHL498E.* History of public health in the Western world from antiquity to the present. The influence of public health developments in other parts of the globe. The interaction between Western and non-Western cultures with respect to health issues.

SG91	Eric Boyle	Seats (Total: 35)
	Th 2:00pm - 4:50pm	BLD3 3219
	Class meets at the Shady Grove campus. Restricted to School of Public Health students. Permission of program director is required fo other UMCP undergraduate students to enroll.	

SPHL410 **Public Health Program Planning and Evaluation**

SPHL410 Public Health Program Planning and Evaluation; (3 credits) Grade Method: REG/P-F/AUD.
Students will become familiar with the dynamics of public health program planning, and the basic process of identifying unmet needs. They will be able to identify different types of program evaluation, including needs assessment, formative research, process evaluation, impact assessment, and cost analysis. Course will be offered at Shady Grove campus.

SG91	Sabrina Smiley	Seats (Total: 35)
	Th 5:00pm - 7:50pm	BLD3 3219
	Class meets at the Shady Grove campus. Restricted to School of Public Health students. Permission of program director is required to other UMC P undergraduate students to enroll.	

SPHL498J **Special Topics in Public Health; Essentials of Public Health Biology: The Cell, the Individual and Disease**

SPHL498J Special Topics in Public Health: Essentials of Public Health Biology: The Cell, the Individual and Disease; (3 credits) Grade Method: REG/P-F/AUD.
Course is held at Shady Grove campus. Restricted to School of Public Health students. Permission of program director is required for other UMCP undergraduate students to enroll. Prerequisite: BSCI105. Students will gain an understanding of how and why a disease occurs, incorporating this knowledge into public health practice. Course will explore pathophysiology of disease within the context of public health. Students will gain a clear understanding of the pathogenesis of various disease conditions and how the identify critical points at which such pathogenesis could either be prevented or interrupted. Infectious, nutritional, metabolic, genetic, and environmental risks and the impact of such risks on various organ systems will be examined.

SG91	Constance Battle W 9:30am - 12:20pm	Seats (Total: 35) BLD3 4212
	Class meets at the Shady Grove campus. Restricted to School of Public Health students. Permission of program director is required fo other UMCP undergraduate students to enroll.	

SPHL498N **Special Topics in Public Health; Introduction to Environmental Health**

SPHL498N Special Topics in Public Health: Introduction to Environmental Health; (3 credits) Grade Method: REG/P-F/AUD.
This Course is held at the Shady Grove campus. Restricted to School of Public Health students. Permission of program director is required for other UMCP undergraduate students to enroll. credit will only be given for SPHL498N or MIEH300.

SG91	Nicole Deziel W 5:00pm - 7:50pm	Seats (Total: 35) Location: TBA

SPHL498O **Special Topics in Public Health; Exercise Physiology for Public Health Science**

SPHL498O Special Topics in Public Health: Exercise Physiology for Public Health Science; (3 credits) Grade Method: REG/P-F/AUD.

SG91	Steven Prior F 8:30am - 11:20am	Seats (Total: 35) BLD3 3219
	Class meets at the Shady Grove campus. Restricted to School of Public Health students. Permission of program director is required fo other UMCP undergraduate students to enroll. Credit will only be granted for S PHL498O or KNES360.	

SPHL498P **Special Topics in Public Health; Introduction to Health Policy and Services**

SPHL498P Special Topics in Public Health: Introduction to Health Policy and Services; (3 credits) Grade Method: REG/P-F/AUD.
This course is taught at the Shady Grove campus. Credit will be given for either SPHL498P or HLSA300.

SG91	Marin Allen W 6:00pm - 8:50pm	Seats (Total: 35) BLD3 3220

SPHL600 **Fundamentals of Global Health**

SPHL600 Fundamentals of Global Health; (3 credits) Grade Method: REG/AUD. *Credit only granted for: SPHL600 or SPHL698A. Formerly: SPHL698A.* Exploration of theoretical frameworks and practicial perspectives in global health with particular attention to the analysis of the biological, epidemiological, social, cultural and behavioral interactions that affect global health study and project implementation. The emphasis is on innovative solutions to health issues in underserved populations.

PSG1	Muhiuddin Haider M 5:00pm - 7:45pm	Seats (Total: 34) BLD2 2062
	Restricted to students in the Global Health Certificate. Meets at Universities of Shady Grove.	

STAT Statistics and Probability Fall 2012

STAT100 **Elementary Statistics and Probability**

STAT100 Elementary Statistics and Probability; (3 credits) Grade Method: REG/P-F/AUD. CORE Mathematics or Formal Reasoning (MS) Course. GenEd: Fundamental Studies - Analytic Reasoning; Fundamental Studies - Math.
Prerequisite: MATH112, MATH110, MATH113, or MATH115; or permission of CMNS-Mathematics department. Restriction: Must not have completed MATH111; or Must not have completed any MATH or STAT course with a prerequisite of MATH141. Credit only granted for: STAT100 or MATH111. Simplest tests of statistical hypotheses; applications to before-and-after and matched pair studies. Events, probability, combinations, independence. Binomial probabilities, confidence limits. Random variables, expected values, median, variance. Tests based on ranks. Law of large numbers, normal approximation. Estimates of mean and variance.

0101	Daniel Zollers MWF 12:00pm - 12:50pm	Seats (Total: 32) MTH 0304
0102	Kijoeng Nam MWF 12:00pm - 12:50pm	Seats (Total: 32) MTH 0307
0103	Lemeng Pan MWF 12:00pm - 12:50pm	Seats (Total: 30) MTH 0409
0104	Samuel Punshon-Smith MWF 12:00pm - 12:50pm	Seats (Total: 32) MTH 0106

0105	Robert Maschal MWF 12:00pm - 12:50pm	Seats (Total: 32) MTH 0303
0106	Adam Lizzi MWF 12:00pm - 12:50pm	Seats (Total: 32) MTH 0105
0107	Rebecca Black MWF 12:00pm - 12:50pm	Seats (Total: 30) MTH B0423
0201	Daniel Zollers MWF 2:00pm - 2:50pm	Seats (Total: 32) MTH 0304
0202	Kijoeng Nam MWF 2:00pm - 2:50pm	Seats (Total: 32) MTH 0306
0203	Casey Cremins MWF 2:00pm - 2:50pm	Seats (Total: 30) MTH B0421
0204	Samuel Punshon-Smith MWF 2:00pm - 2:50pm	Seats (Total: 32) MTH 0101
0205	Robert Maschal MWF 2:00pm - 2:50pm	Seats (Total: 30) MTH 0303
0206	Adam Lizzi MWF 2:00pm - 2:50pm	Seats (Total: 32) MTH B0423
0207	Rebecca Black MWF 2:00pm - 2:50pm	Seats (Total: 32) MTH 0305
FC01	Lemeng Pan TuTh 5:00pm - 6:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 33) CHM 1224

STAT386 **Experiential Learning**

STAT386 Experiential Learning; (3-6 credits) Grade Method: REG/P-F. *Prerequisite: Must have Learning Proposal approved by the Office of Experiential Learning Programs, faculty sponsor, and student's internship sponsor. Restriction: Junior standing or higher.*

2801	Abram Kagan Contact instructor or department for details.	Seats (Total: 10)	

STAT400 **Applied Probability and Statistics I**

STAT400 Applied Probability and Statistics I; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Minimum grade of C- in MATH131; or MATH141; or students who have taken courses with similar or comparable course content may contact the department. Credit only granted for: BMGT231, ENEE324, or STAT400. Additional information: Not acceptable toward graduate degrees in MATH/STAT/AMSC. Random variables, standard distributions, moments, law of large numbers and central limit theorem. Sampling methods, estimation of parameters, testing of hypotheses.

0211	Sandra Cerrai TuTh 11:00am - 12:15pm M 8:00am - 9:15am	Seats (Total: 27) ARM 0135 MTH 0105	Discussion
0212	Sandra Cerrai TuTh 11:00am - 12:15pm M 8:00am - 9:15am	Seats (Total: 27) ARM 0135 MTH 0401	Discussion
0213	Sandra Cerrai TuTh 11:00am - 12:15pm M 8:00am - 9:15am	Seats (Total: 27) ARM 0135 MTH 0305	Discussion
0221	Sandra Cerrai TuTh 11:00am - 12:15pm M 9:30am - 10:45am	Seats (Total: 27) ARM 0135 MTH 0105	Discussion
0222	Sandra Cerrai TuTh 11:00am - 12:15pm M 9:30am - 10:45am	Seats (Total: 27) ARM 0135 MTH 0401	Discussion
0223	Sandra Cerrai TuTh 11:00am - 12:15pm M 9:30am - 10:45am	Seats (Total: 27) ARM 0135 MTH 0305	Discussion
0231	Sandra Cerrai TuTh 11:00am - 12:15pm M 11:00am - 12:15pm	Seats (Total: 27) ARM 0135 MTH 0103	Discussion

0232	Sandra Cerrai TuTh 11:00am - 12:15pm M 11:00am - 12:15pm	Seats (Total: 27) ARM 0135 MTH 0401	Discussion
0233	Sandra Cerrai TuTh 11:00am - 12:15pm M 11:00am - 12:15pm	Seats (Total: 27) ARM 0135 MTH 0305	Discussion

STAT401 **Applied Probability and Statistics II**

STAT401 Applied Probability and Statistics II; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: STAT400. Additional information: Not acceptable toward graduate degrees in MATH/STAT/AMSC. Point estimation - unbiased and consistent estimators. Interval estimation. Minimum variance and maximum likelihood estimators. Testing of hypotheses. Regression, correlation and analysis of variance. Sampling distributions. Elements of non-parametric methods.

0101	Yuan Liao TuTh 11:00am - 12:15pm	Seats (Total: 33) ARM 0110
0201	Zhenqiu Liu TuTh 3:30pm - 4:45pm	Seats (Total: 34) MTH 0303

STAT410 **Introduction to Probability Theory**

STAT410 Introduction to Probability Theory; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MATH240 and MATH241. Also offered as: SURV410. Credit only granted for: STAT410 or SURV410. Probability and its properties. Random variables and distribution functions in one and several dimensions. Moments. Characteristic functions. Limit theorems.

0101	Sandra Cerrai TuTh 2:00pm - 3:15pm	Seats (Total: 33) MTH 0303
0201	Jian Lun Xu TuTh 5:00pm - 6:15pm	Seats (Total: 38) MTH B0421

STAT430 **Introduction to Statistical Computing with SAS**

STAT430 Introduction to Statistical Computing with SAS; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: STAT400; or permission of instructor. Descriptive and inferential statistics. SAS software: numerical and graphical data summaries; merging, sorting and splitting data sets. Least squares, regression, graphics and informal diagnostics, interpreting results. Categorical data, lifetime data, time series. Applications to engineering, life science, business and social science.

0101	Benjamin Kedem MWF 2:00pm - 2:50pm	Seats (Total: 31) EGR 0108
0201	David Shaw MWF 2:00pm - 2:50pm	Seats (Total: 31) HZF 0106

STAT440 **Sampling Theory**

STAT440 Sampling Theory; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: STAT401 or STAT420. Also offered as: SURV440. Credit only granted for: STAT440 or SURV440. Simple random sampling. Sampling for proportions. Estimation of sample size. Sampling with varying probabilities. Sampling: stratified, systematic, cluster, double, sequential, incomplete.

0101	Natalia Tchetcherina MW 5:00pm - 6:15pm	Seats (Total: 20) MTH 0101

STAT464 **Introduction to Biostatistics**

STAT464 Introduction to Biostatistics; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Must have completed one semester of calculus. Restriction: Junior standing or higher. Additional information: Not acceptable toward degrees in MATH/STAT. Probabilistic models. Sampling. Some applications of probability in genetics. Experimental designs. Estimation of effects of treatments. Comparative experiments. Fisher-Irwin test. Wilcoxon tests for paired comparisons.

0101	Casey Cremins TuTh 2:00pm - 3:15pm	Seats (Total: 29) MTH 0306

STAT498A **Selected Topics in Statistics**

STAT498A *(PermReq)* **Selected Topics in Statistics; (1-6 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

STAT600 **Probability Theory I**

STAT600 Probability Theory I; (3 credits) Grade Method: REG/AUD. *Prerequisite: STAT410.* Probability space; distribution functions and densities; Poissson limit theoreom; de Moivre-Laplace theorem; measure-theoretic definition of expectation; classification of measures on R; convergence of random variables; Radon-Nikodym theorem;LP spaces; conditional probabilities; independence of events, sigma-algebras and random variables; Bayes' theo rem; pi-systems and Dynkin systems; discrete Markov chains; random walks; gambler's ruin problem; Markov chains on a general phase space; Borel-cantelli lemmas; Kolmogorov inequality; three series theorem; laws of large numbers.

0101	Leonid Koralov	Seats (Total: 30)
	MWF 1:00pm - 1:50pm	MTH 0303

STAT689 **Research Interactions in Statistics**

STAT689 *(PermReq)* **Research Interactions in Statistics; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

STAT698A **Selected Topics in Probability**

STAT698A Selected Topics in Probability; (1-4 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

STAT700 **Mathematical Statistics I**

STAT700 Mathematical Statistics I; (3 credits) Grade Method: REG/AUD. *Prerequisite: STAT410; or students who have taken courses with similar or comparable course content may contact the department.* Sampling distributions including noncentral chi-squared, t, F. Exponential families, completeness. Sufficiency, factorization, likelihood ratio. Decision theory, Bayesian methods, minimax principle. Point estimation. Lehmann-Scheffe and Cramer-Rao theorems. Set estimation. Offered fall only.

0101	Abram Kagan	Seats (Total: 20)
	TuTh 5:00pm - 6:15pm	MTH 0307

STAT705 **Computational Statistics**

STAT705 Computational Statistics; (3 credits) Grade Method: REG/AUD. *Prerequisite: STAT700 or STAT420. Recommended: Have some programming experience (any language). Credit only granted for: STAT705 or STAT798C. Formerly: STAT798C.* Modern methods of computational statistics and their application to both practical problems and research. S-Plus and SAS programming with emphasis on S-Plus. S-Plus objects and functions, and SAS procedures. Topics include data management and graphics, Monte Carlo and simulation, bootstrapping, numerical optimization in statistics, linear and generalized linear models, nonparametric regression, time series analysis.

0101	Benjamin Kedem	Seats (Total: 10)
	MWF 11:00am - 11:50am	MTH 1311

STAT740 **Linear Statistical Models I**

STAT740 Linear Statistical Models I; (3 credits) Grade Method: REG/AUD. *Prerequisite: STAT700 or STAT420.* Least squares, general linear models, estimability and Gauss-Markov theorem. Simple and multiple linear regression, analysis of residuals and diagnostics, polynomial models, variable selection. Qualitative predictors, one and two way analysis of variance, multiple comparisons, analysis of covariance. Nonlinear least squares. High-level statistical computer software will be used for data analysis throughout the course.

0101	Paul Smith	Seats (Total: 20)
	MWF 2:00pm - 2:50pm	MTH 0409

STAT798A **Selected Topics in Statistics**

STAT798A Selected Topics in Statistics; (1-4 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

STAT798F **Selected Topics in Statistics; Stochastic Differential Equations**

STAT798F Selected Topics in Statistics: Stochastic Differential Equations; (1-4 credits) Grade Method: REG/AUD.

0101	Mark Freidlin TuTh 12:30pm - 1:45pm	Seats (Total: 20) EGR 3106

STAT798R **Selected Topics in Statistics; Empirical Likelihood**

STAT798R Selected Topics in Statistics: Empirical Likelihood; (1-4 credits) Grade Method: REG/AUD.

0101	Joan Ren TuTh 11:00am - 12:15pm	Seats (Total: 20) EGR 3106

STAT798Y **Selected Topics in Statistics; Survival Analysis**

STAT798Y Selected Topics in Statistics: Survival Analysis; (1-4 credits) Grade Method: REG/AUD.
Click here for more course information.

0101	Grace Yang TuTh 9:30am - 10:45am	Seats (Total: 20) EGR 3106

STAT799 **Master's Thesis Research**

STAT799 Master's Thesis Research; (1-6 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

STAT898 **Pre-Candidacy Research**

STAT898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

STAT899 **Doctoral Dissertation Research**

STAT899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

SURV Survey Methodology Fall 2012

SURV410 **Introduction to Probability Theory**

SURV410 Introduction to Probability Theory; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MATH240 and MATH241; or permission of BSOS-Joint Program in Survey Methodology department. Also offered as: STAT410. Credit only granted for: SURV410 or STAT410. Probability and its properties. Random variables and distribution functions in one and several dimensions. Moments, characteristic functions, and limit theorems. Also offered as STAT 410.

0101	Sandra Cerrai TuTh 2:00pm - 3:15pm	Seats (Total: 33) MTH 0303
0201	Jian Lun Xu TuTh 5:00pm - 6:15pm	Seats (Total: 38) MTH B0421

SURV440 **Sampling Theory**

SURV440 Sampling Theory; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: STAT420 or STAT410. Restriction: Must not have completed STAT440. Simple random sampling, sampling for proportions, estimation of sample size, sampling with varying probabilities of selection, stratification, systematic selection, cluster sampling, double sampling, and sequential sampling.

0101	Natalia Tchetcherina MW 5:00pm - 6:15pm	Seats (Total: 20) MTH 0101

0201	James Lepkowski **Meets September 3, 2012 - December 11, 2012** MW 1:00pm - 2:30pm	Seats (Total: 20) LEF 1208
SV01	Partha Lahiri W 1:00pm - 3:30pm *Class will meet at the Census Bureau and BLS.*	Seats (Total: 25) Location: TBA

SURV615 **Statistical Methods I**

SURV615 Statistical Methods I; (3 credits) Grade Method: REG/AUD.
Prerequisite: Must have completed a two course sequence in probability and statistics; or students who have taken courses with similar or comparable course content may contact the department. First course in a two term sequence in applied statistical methods covering topics such as regression, analysis of variance, categorical data, and survival analysis. It runs concurrently with the University of Michigan course.

0101	Sunghee Lee **Meets September 3, 2012 - December 11, 2012** Th 1:00pm - 3:30pm	Seats (Total: 20) LEF 1208

SURV623 **Data Collection Methods in Survey Research**

SURV623 Data Collection Methods in Survey Research; (3 credits) Grade Method: REG/AUD.
Review of alternative data collection methods used in surveys, concentrating on the impact these techniques have on the quality of survey data, including measurement error properties, levels of nonresponse and coverage error. Reviews of the literature on major mode comparisons (face-to-face interviewing, telephone survey and self-administered questionnaires), and alternative collection methods (diaries, administrative records, direct observation, etc.). The statistical and social science literatures on interviewer effects and nonresponse, and current advances in computer-assisted telephone interviewing (CATI), computer-assisted personal interviewing (CAPI), and other methods such as touchtone data entry (TDE) and voice recognition (VRE).

0101	Mick Couper, Frederick Conrad **Meets September 10, 2012 - December 11, 2012** M 1:00pm - 4:00pm	Seats (Total: 25) LEF 2208
0201	Douglas Currivan **Meets August 28, 2012 - December 6, 2012** Tu 3:30pm - 6:15pm	Seats (Total: 20) LEF 2208
SV01	Mick Couper, Frederick Conrad **Meets September 10, 2012 - December 11, 2012** M 1:00pm - 4:00pm *This section meets at the Census Bureau.*	Seats (Total: 25) Location: TBA

SURV630 **Questionnaire Design**

SURV630 Questionnaire Design; (3 credits) Grade Method: REG/AUD.
Credit only granted for: SURV430 and SURV630. The stages of questionnaire design; developmental interviewing, question writing, question evaluation, pretesting, and questionnaire ordering and formatting. Reviews of the literature on questionnaire construction, the experimental literature on question effects, and the psychological literature on information processing. Examination of the diverse challenges posed by self versus proxy reporting and special attention is paid to the relationship between mode of administration and questionnaire design.

0101	Rachel Caspar F 1:00pm - 4:00pm	Seats (Total: 20) LEF 1208

SURV632 **Social and Cognitive Foundations of Survey Measurement**

SURV632 Social and Cognitive Foundations of Survey Measurement; (3 credits)
Grade Method: REG/AUD.
Major sources of survey error-such as reporting errors and nonresponse bias-from the perspective of social and cognitive psychology and related disciplines. Topics: psychology of memory and its bearing on classical survey issues (e.g., underreporting and telescoping); models of language use and their implications for the interpretation and misinterpretation of survey questions; and studies of attitudes, attitude change, and their possible application to increasing response rates and improving the measurement of opinions. Theories and findings from the social and behavioral sciences will be explored.

0101	Frederick Conrad	Seats (Total: 20)
	Meets September 3, 2012 - December 11, 2012	
	W 10:00am - 12:30pm	LEF 1208

SURV641 **Survey Practicum II**

SURV641 Survey Practicum II; (2 credits) Grade Method: REG.
Prerequisite: SURV620. Restriction: Must be in one of the following programs (Survey Methodology (Doctoral); Survey Methodology (Master's)). Credit only granted for: SURV621 or SURV641. Formerly: SURV621. Additional information: SURV640 and SURV641 must be taken in consecutive semesters. Second part of applied workshop in sample survey design. Course focus on post data collection process of data processing, editing and anlysis.

0101	David Cantor	Seats (Total: 20)
	W 3:30pm - 5:30pm	LEF 1218

SURV672 **Introduction to the Federal Statistical System and the Survey Research Profession**

SURV672 Introduction to the Federal Statistical System and the Survey Research Profession; (1 credit) Grade Method: S-F.
Credit only granted for: (SURV670 and SURV671) or SURV672. Formerly: SURV670 and SURV671. The U.S. statistical system and its goals are reviewed. The federal statistical agencies are described, and their primary missions and data collections are examined. The statistical systems of other countries are compared with the U.S. system. Organizational and budgetary aspects are presented. Students will learn about organizations and groups outside of the Federal Statistical System that affect the actions of the System. These include other governmental units, professional associations, and advisory groups created by the agencies themselves. Students will review current laws regarding privacy and confidentiality affecting government agency work and consider a variety of ethical issues confronting government statisticians.

0101	Brian Harris-Kojetin **Meets September 3, 2012 - December 11, 2012** Tu 6:30pm - 7:30pm	Seats (Total: 20) LEF 2208

SURV699 **Special Topics in Survey Methodology; Reading in Survey Methodology**

SURV699 *(PermReq)* **Special Topics in Survey Methodology: Reading in Survey Methodology; (1-3 credits)** Grade Method: REG/AUD.

0101	Frederick Conrad Contact instructor or department for details.	Seats (Total: 10)
0201	Robert Croninger Contact instructor or department for details.	Seats (Total: 10)

SURV699V **Special Topics in Survey Methodology; Seminar in Public Opinion**

SURV699V Special Topics in Survey Methodology: Seminar in Public Opinion; (3 credits) Grade Method: REG/AUD.

In this seminar, we will study the nature and origins of public opinion and its representation through the media. Beyond developing an understanding of what public opinion is and the role it plays in a democracy, we will also look at the representation of public opinion in the media, the collection of public opinion data by and for the media, and the role that the media play in representing the state of public opinion to their audience members. This will include the linkage between elite and mass opinion, and the influence of public opinion on policy making. Click here for more course information.

0101	Instructor: TBA **Meets September 10, 2012 - December 11, 2012** M 3:30pm - 6:10pm	Seats (Total: 10) LEF 1208

SURV701 **Analysis of Complex Sample Data**

SURV701 Analysis of Complex Sample Data; (3 credits) Grade Method: REG/AUD.

Prerequisite: SURV625. Analysis of data from complex sample designs covers: the development and handling of selection and other compensatory weights; methods for handling missing data; the effect of stratification and clustering on estimation and inference; alternative variance estimation procedures; methods for incorporating weights, stratification and clustering, and imputed values in estimation and inference procedures for complex sample survey data; and generalized design effects and variance functions. Computer software that takes account of complex sample design in estimation. It runs concurrently with the University of Michigan course.

0101	Brady West **Meets September 6, 2012 - December 11, 2012** Th 12:30pm - 3:00pm	Seats (Total: 10) LEF 1218
SV01	Brady West **Meets September 6, 2012 - December 11, 2012** Th 12:30pm - 3:00pm *Class will meet at the Census Bureau.*	Seats (Total: 10) Location: TBA

SURV720 **Total Survey Error I**

SURV720 Total Survey Error I; (2 credits) Grade Method: REG/AUD.
Prerequisite: SURV625. Restriction: Permission of instructor. Credit only granted for: (SURV720 and SURV721) or SURV723. Formerly: SURV723. Total error structure of sample survey data, reviewing current research findings on the magnitudes of different error sources, design features that affect their magnitudes, and interrelationships among the errors. Coverage, nonresponse, sampling, measurement, and postsurvey processing errors. For each error source reviewed, social science theories about its causes and statistical models estimating the error source are described. Empirical studies from the survey methodological literature are reviewed to illustrate the relative magnitudes of error in different designs. Emphasis on aspects of the survey design necessary to estimate different error sources. Relationships to show how attempts to control one error source may increase another source. Attempts to model total survey error will be presented. It runs concurrently with the University of Michigan course.

0101	Frauke Kreuter	Seats (Total: 20)
	Meets September 4, 2012 - December 11, 2012	
	Tu 5:00pm - 6:40pm	LEF 1208

SURV722 **Randomized/Nonrandomized Design**

SURV722 Randomized/Nonrandomized Design; (3 credits) Grade Method: REG/AUD.
Research designs from which causal inferences are sought. Classical experimental design will be contrasted with quasi-experiments, evaluation studies, and other observational study designs. Emphasis placed on how design features impact the nature of statistical estimation and inference from the designs. Issues of blocking, balancing, repeated measures, control strategies, etc. Click Here More Information

0101	Allan McCutcheon	Seats (Total: 20)
	Meets September 4, 2012 - December 11, 2012	
	Tu 2:30pm - 4:40pm	LEF 1208

SURV829 **Doctoral Research Seminar in Survey Methodology**

SURV829 Doctoral Research Seminar in Survey Methodology; (3-6 credits) Grade Method: REG.

0101	Frederick Conrad, Partha Lahiri	Seats (Total: 5)
	Meets September 6, 2012 - December 11, 2012	
	Th 10:00am - 12:30pm	LEF 1218

SURV898 **Pre-Candidacy Research**

SURV898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

SURV899 **Doctoral Dissertation Research**

SURV899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

TDPS Theatre, Dance and Performance Studies Fall 2012

TDPS201 **Introduction to Technical Production**

TDPS201 *(PermReq)* **Introduction to Technical Production; (3 credits)** Grade Method: REG/P-F/AUD.
Credit only granted for: DANC210, THET114, or TDPS201. Formerly: THET114 and DANC210. Students are provided with an overview of topics related to the technical production of theatre and dance including: scenic, prop and costume construction, lighting, sound and video execution and management structures.

0101	Andrew Cissna, Jared Ewonus	Seats (Total: 30)	
	MW 4:00pm - 4:50pm	PAC 1815	
	F 3:30pm - 5:30pm	PAC 1702	Lab

TDPS479 **Production Practicum**

TDPS479 *(PermReq)* **Production Practicum; (1-3 credits)** Grade Method: REG/P-F/AUD.

1001	Sharon King Contact instructor or department for details.	Seats (Total: 25)
1002	Sharon King Contact instructor or department for details.	Seats (Total: 15)
1003	Sharon King Contact instructor or department for details.	Seats (Total: 15)
1004	Sharon King Contact instructor or department for details.	Seats (Total: 15)
1005	Sharon King Contact instructor or department for details.	Seats (Total: 15)
1006	Sharon King Contact instructor or department for details.	Seats (Total: 15)
1007	Sharon King Contact instructor or department for details.	Seats (Total: 15)
2001	Sharon King Contact instructor or department for details.	Seats (Total: 15)
2002	Sharon King Contact instructor or department for details.	Seats (Total: 15)
2003	Sharon King Contact instructor or department for details.	Seats (Total: 15)
2004	Sharon King Contact instructor or department for details.	Seats (Total: 15)
2005	Sharon King Contact instructor or department for details.	Seats (Total: 15)
2006	Sharon King Contact instructor or department for details.	Seats (Total: 15)

THET110 **Introduction to the Theatre**

THET110 Introduction to the Theatre; (3 credits) Grade Method: REG/P-F/AUD. CORE History or Theory of Arts (HA) Course. GenEd: Distributive Studies - Humanities.

Introduction to the people of the theatre: actors, directors, designers and backstage personnel. The core and characteristics of a play script; theatrical forms and styles; and theatre history.

0101	Korey Rothman MW 2:00pm - 2:50pm W 9:00am - 9:50am	Seats (Total: 25) HJP 0226 HBK 1112	Discussion
0102	Korey Rothman MW 2:00pm - 2:50pm W 10:00am - 10:50am	Seats (Total: 25) HJP 0226 HBK 1112	Discussion
0103	Korey Rothman MW 2:00pm - 2:50pm W 11:00am - 11:50am	Seats (Total: 25) HJP 0226 KEY 0120	Discussion
0104	Korey Rothman MW 2:00pm - 2:50pm W 12:00pm - 12:50pm	Seats (Total: 25) HJP 0226 KEY 0124	Discussion
0105	Korey Rothman MW 2:00pm - 2:50pm W 1:00pm - 1:50pm	Seats (Total: 25) HJP 0226 SYM 0215	Discussion
0201	Korey Rothman MW 3:00pm - 3:50pm W 9:00am - 9:50am	Seats (Total: 25) HJP 0226 KEY 0121	Discussion
0202	Korey Rothman MW 3:00pm - 3:50pm W 10:00am - 10:50am	Seats (Total: 25) HJP 0226 KEY 0123	Discussion
0203	Korey Rothman MW 3:00pm - 3:50pm W 11:00am - 11:50am	Seats (Total: 25) HJP 0226 KEY 0124	Discussion

0204	Korey Rothman MW 3:00pm - 3:50pm W 12:00pm - 12:50pm	Seats (Total: 25) HJP 0226 TLF 1103	 Discussion
0205	Korey Rothman MW 3:00pm - 3:50pm W 1:00pm - 1:50pm	Seats (Total: 25) HJP 0226 TLF 1103	 Discussion

THET116 **Fundamentals of Theatrical Design**

THET116 *(PermReq)* **Fundamentals of Theatrical Design; (3 credits)** Grade Method: REG/P-F/AUD.
Restriction: Freshman standing; and must be in Theatre program; and permission of ARHU-School of Theatre, Dance & Performance Studies department. Examines theatre as an environmental art that is realized through collaboration between set, costume, and lighting designers.

0101	Rebecca Delapp, Andrew Kaufman TuTh 3:30pm - 5:20pm	Seats (Total: 20) PAC 2733

THET120 **Introduction to Acting**

THET120 Introduction to Acting; (3 credits) Grade Method: REG/P-F/AUD.
Restriction: Must not be in Theatre program. Through scene study, exercises, and improvisation, an appreciation is developed for the working habits of actors, which will aid them in rehearsal as well as performance.

0101	Adam Sheaffer MW 3:00pm - 4:15pm	Seats (Total: 12) PAC 3730

THET210 **Movement for Actors**

THET210 *(PermReq)* **Movement for Actors; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: THET114 or TDPS201; and (THET116, THET222, and THET223); and permission of ARHU-School of Theatre, Dance & Performance Studies department. Focuses on increasing a performer's presence on stage. Will include the F.M. Alexander technique, movement improvisation, exercises for balance, strength, flexibility and stamina.

0101	Joan DiSanto TuTh 10:30am - 12:15pm	Seats (Total: 14) PAC 2740	
0201	Nicholas Horan MW 1:00pm - 2:50pm	Seats (Total: 14) PAC 3736	

THET222 **Foundations of Acting and Performance**

THET222 *(PermReq)* **Foundations of Acting and Performance; (3 credits)** Grade Method: REG/P-F/AUD.
Restriction: Permission of ARHU-School of Theatre, Dance & Performance Studies department; and Must have less than 60 credits. Credit only granted for: THET220 or THET222. Formerly: THET220. Introduction to various acting techniques, especially Dallas- and Spolin-based improvisation and affective memory; an exploration of the nature of the planned performance and the collaborative creative process. Class will culminate with showcase performance experiences.

0101	Caroline Clay TuTh 12:30pm - 2:20pm	Seats (Total: 16) PAC 3732	Lab
0201	Walter Dallas MW 10:00am - 11:50am	Seats (Total: 20) PAC 3732	Lab

THET223 **Text and Context in Western Theatre**

THET223 *(PermReq)* **Text and Context in Western Theatre; (3 credits)** Grade Method: REG/P-F/AUD.
Restriction: Permission of ARHU-School of Theatre, Dance & Performance Studies department; and Must have less than 60 credits. Credit only granted for: (THET223 and THET113) or (THET223 and THET115). Formerly: THET113 and THET115. Explores social, political, and cultural development of Western theatre from classical period to twenty-first century. Part of the Foundation series for Theatre majors. Prepares students for upper-level courses in global theatre.

0101	Jose Gregory TuTh 12:30pm - 1:45pm	Seats (Total: 25) PAC 1815	
0102	Sara Thompson TuTh 9:30am - 10:45am	Seats (Total: 25) PAC 1815	

THET250 **American Musical Theatre and Popular Culture**

THET250 American Musical Theatre and Popular Culture; (3 credits) Grade Method: REG/P-F/AUD.
Credit only granted for: THET250 or THET350. Formerly: THET350. An exploration of the complicated history of some of America's most popular entertainments from learned pig shows, to vaudeville, to musical theatre. It connects the history of America's diverse racial and ethnic communities to the evolution of forms like minstrels, Wild West Shows, and showboat theatre. It also traces the history of our most popular and enduring art form--the musical comedy--from the Ziegfeld Follies to Rent and beyond.

0101	Michael Boynton	Seats (Total: 20)
	MW 12:00pm - 1:15pm	PLS 1113

THET269T **Special Topics in Study Abroad II; 20th Century and Contemporary Spanish Theatre**
Contact department for information to register for this course.

THET274 **Introduction to Stage Management**

THET274 *(PermReq)* **Introduction to Stage Management; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: THET114 or TDPS201; and permission of ARHU-School of Theatre, Dance & Performance Studies department. Familiarization with the techniques and skills required of a Stage Manager in a theatrical production, including organization, production meetings, rehearsals, tech and running a show. The outcome at the conclusion of the course is the ability to function as an Assistant Stage Manager in a supervised situation.

0101	Cary Gillett	Seats (Total: 20)
	MW 3:00pm - 4:15pm	PAC 1924

THET284 **Stage Costume Construction I**

THET284 *(PermReq)* **Stage Costume Construction I; (3 credits)** Grade Method: REG/P-F/AUD.
Restriction: Permission of ARHU-School of Theatre, Dance & Performance Studies department. Credit only granted for: THET284 or THET486. Formerly: THET486. Study and practical experience in garment construction and related costume crafts as used in theatre costume design. Flat pattern development, corset construction, theatrical sewing techniques and organization of the costume construction process.

0101	Susan Chiang MW 9:00am - 11:50am	Seats (Total: 12) PAC 3749	 Lab

THET285 **The Art of Communication and Presentation**

THET285 The Art of Communication and Presentation; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Fundamental Studies - Oral Communications.
Credit only granted for: ARCH403, COMM107, COMM200, HLTH420, INAG110, JOUR130, or THET285. An introduction to the fundamental practice and theory of public speaking and oral communication using theatrical techniques of both performance and the craft of storytelling. Restricted to New Freshman only.

0101	Claudia Rosales, Teresa Bayer TuTh 2:00pm - 3:50pm	Seats (Total: 25) PAC 3730
0102	Anupama Yadav, Nicholas Horan TuTh 2:00pm - 3:50pm	Seats (Total: 25) PAC 1809

THET286 **Experiential Learning I**

THET286 *(PermReq)* **Experiential Learning I; (1-3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: THET222, THET223, and THET116. And THET114; or TDPS201. And permission of ARHU-School of Theatre, Dance & Performance Studies department. Introductory internship in theatre. Constructed to help students in their sophomore year gain practical experience in a supportive work environment in the theatre. Student must research and propose internship to a Faculty Advisor and Internship Venue.

0101	Instructor: TBA Contact instructor or department for details.	Seats (Total: 5)

0210	Instructor: TBA Contact instructor or department for details.	Seats (Total: 5)
0301	Leigh Smiley Contact instructor or department for details. Contact instructor or department for details.	Seats (Total: 5)
0401	Scot Reese Contact instructor or department for details. Contact instructor or department for details.	Seats (Total: 5)
0501	Instructor: TBA Contact instructor or department for details.	Seats (Total: 5)
0601	Ashley Smith Contact instructor or department for details. Contact instructor or department for details.	Seats (Total: 5)
0901	Mitchell Hebert Contact instructor or department for details. Contact instructor or department for details.	Seats (Total: 5)
1301	Brian MacDevitt Contact instructor or department for details.	Seats (Total: 5)
1501	Instructor: TBA Contact instructor or department for details.	Seats (Total: 5)
1601	Instructor: TBA Contact instructor or department for details. Contact instructor or department for details.	Seats (Total: 5)
1701	Instructor: TBA Contact instructor or department for details. Contact instructor or department for details.	Seats (Total: 5)
1801	Instructor: TBA Contact instructor or department for details.	Seats (Total: 5)
2001	Instructor: TBA Contact instructor or department for details. Contact instructor or department for details.	Seats (Total: 5)

2003	Cary Gillett Contact instructor or department for details. Contact instructor or department for details.	Seats (Total: 5)	
2005	Instructor: TBA Contact instructor or department for details.	Seats (Total: 5)	
2007	Instructor: TBA Contact instructor or department for details.	Seats (Total: 5)	

THET290 **Race, Gender, and Ethnicity in American Theatre and Culture, 1750-1900**

THET290 Race, Gender, and Ethnicity in American Theatre and Culture, 1750-1900; (3 credits) Grade Method: REG. CORE History or Theory of Arts (HA) Course. GenEd: Distributive Studies - Humanities.
Formerly: THET310. Since the first colonial encounter with the indigenous peoples of the Americas, complex issues of race, gender, and ethnic identity have shaped our collective efforts to engage, interact, and survive as a new nation. Our cities, our monuments, our homes, are all built on the bodies of the dead and our landscapes are haunted by those who left work unfinished the work of women's rights, religious freedom, racial tolerance, and many other compelling concerns of class, gender, and ethnic identity. This class explores how theatre engaged with these complex issues; it covers the period 1750-1900.

0101	Jessica Krenek, Matthew Shifflett MW 11:00am - 11:50am W 12:00pm - 12:50pm	Seats (Total: 25) TWS 1100 KNI 1105	 Discussion
0102	Jessica Krenek, Matthew Shifflett MW 11:00am - 11:50am W 1:00pm - 1:50pm	Seats (Total: 25) TWS 1100 KNI 1103	 Discussion

THET310 **Voice for the Actor I**

THET310 *(PermReq)* **Voice for the Actor I; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: THET210; and Must audition; and permission of ARHU-School of Theatre, Dance & Performance Studies department. Restriction: Sophomore standing or higher. Freeing the natural voice. In-depth experience of connection of actor's voice to thought, impulse and emotion. Tools for releasing tension, increasing resonance and range, and refining articulation will be explored.

0101	David Demke	Seats (Total: 12)	
	MW 1:00pm - 2:50pm	PAC 3730	Lab

THET324 **Character Development**

THET324 *(PermReq)* **Character Development; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: THET210; and Must audition; and permission of ARHU-School of Theatre, Dance & Performance Studies department. Restriction: Junior standing or higher. European-based physical approach to acting. Primary focus on character development, may include creating original characters and learning how to bring to life an already scripted character. Techniques to explore the soul and psychology of characters and their physical qualities, voice, rhythm and movement.

0101	Leslie Felbain	Seats (Total: 12)	
	TuTh 1:30pm - 3:15pm	PAC 3736	Lab

THET330 **Play Directing I**

THET330 *(PermReq)* **Play Directing I; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: THET222, THET223, and THET116. And THET114; or TDPS201. And permission of ARHU-School of Theatre, Dance & Performance Studies department. Restriction: Junior standing or higher. A lecture-laboratory course dealing with the techniques of coordinating, designing and guiding the production of a script through to performance. Study and practice in stage composition, movement, pacing, script and character analysis, and rehearsal routines. Emphasis on methods of communicating a script to an audience.

0101	Scot Reese	Seats (Total: 12)	
	MW 10:00am - 11:50am	PAC 2740	

THET369L **Special Topics in Study Abroad III; 20th Century and Contemporary Latin American Theatre**
Contact department for information to register for this course.

THET371 **Scenic Design I**

THET371 *(PermReq)* **Scenic Design I; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: THET222, THET223, and THET116; and (THET114; or TDPS201); and THET273. Or permission of ARHU-School of Theatre, Dance & Performance Studies department.* A study of design theory and style. Methods and techniques of coordination of all elements of scenic design for theatre.

0101	Mikhail Kachman	Seats (Total: 8)	
	MW 1:00pm - 2:50pm	PAC 2733	

THET377 **Lighting Design I**

THET377 *(PermReq)* **Lighting Design I; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: THET222, THET223, and THET116. And THET114; or TDPS201; or permission of ARHU-School of Theatre, Dance & Performance Studies department.* A study of the theories of electrification, instruments, design, color, and control for the stage. Practical work on productions.

0101	Sarah Tundermann	Seats (Total: 10)	
	MW 3:00pm - 4:50pm	PAC 2733	Lab

THET383 **Costume Design I**

THET383 *(PermReq)* **Costume Design I; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: TDPS201 or THET114; and (THET116, THET222, THET223, and THET373). Or permission of ARHU-School of Theatre, Dance & Performance Studies department. Credit only granted for: THET383 or THET480. Formerly: THET480.* Basic principles of theatre costume design and introduction to rendering skills. Emphasis on development of design conception, unity, character statement, basic clothing design and period style adaptation.

0101	Helen Huang	Seats (Total: 12)	
	MW 10:00am - 11:50am	PAC 2733	Lab

THET386 **Experiential Learning**
Contact department for information to register for this course.

THET399 **Independent Study**

THET399 *(PermReq)* **Independent Study; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

THET399D **Independent Study; Media Design**

THET399D *(PermReq)* **Independent Study: Media Design; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Jared Mezzocchi	Seats (Total: 8)	
	TuTh 11:00am - 12:45pm	PAC 2727	

THET399G **Independent Study; Commedia dell'Arte in History and Performance**

THET399G Independent Study: Commedia dell'Arte in History and Performance; (3 credits) Grade Method: REG/P-F/AUD.

0101	Matthew Wilson	Seats (Total: 20)	
	M 3:00pm - 5:50pm	PAC 1809	

THET399H **Independent Study; London Stage**
Contact department for information to register for this course.

THET399J **Independent Study; Alexander Technique**

THET399J *(PermReq)* **Independent Study: Alexander Technique; (3 credits)** Grade Method: REG.
Prerequisite: Permission of department and Audition required.

0101	Leslie Felbain	Seats (Total: 12)	
	TuTh 10:30am - 12:15pm	PAC 3736	Lab

THET399N **Independent Study; Neutral Mask**

THET399N *(PermReq)* **Independent Study: Neutral Mask; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: Permission of the Department and Audition required.

0101	Robert Jansen	Seats (Total: 12)	
	MW 1:00pm - 2:50pm	PAC 2740	Lab

THET399P **Independent Study; PLAYWRITING**

THET399P *(PermReq)* **Independent Study: PLAYWRITING; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Walter Dallas	Seats (Total: 12)
	MW 1:00pm - 2:50pm	PAC 2804

THET399T **Independent Study; Introduction to Musical Theatre Workshop**

THET399T *(PermReq)* **Independent Study: Introduction to Musical Theatre Workshop; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Scot Reese	Seats (Total: 20)	
	M 3:00pm - 6:00pm	PAC 2740	Lab

THET399W **Independent Study; The London Stage**
Contact department for information to register for this course.

THET399X **Independent Study; The London Stage**
Contact department for information to register for this course.

THET399Y **Independent Study; Body-Motion-Gesture**

THET399Y *(PermReq)* **Independent Study: Body-Motion-Gesture; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: THET210, THET222, and permission of department.

0101	Joan DiSanto	Seats (Total: 20)
	TuTh 9:00am - 10:20am	PAC 2740

THET408N **Seminar: Theory and Performance Studies; Performing the Nation**

THET408N Seminar: Theory and Performance Studies: Performing the Nation; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as ANTH468P.

0109	Laurie Frederik Meer	Seats (Total: 30)	
	MW 2:00pm - 3:15pm	PAC 1815	

THET411 **Voice for the Actor II**

THET411 *(PermReq)* **Voice for the Actor II; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: THET116 and THET114; and Must audition; and permission of ARHU-School of Theatre, Dance & Performance Studies department. Restriction: Junior standing or higher. Credit only granted for: THET311, THET411, or THET499L. Formerly: THET311. Learn the International Phonetic Alphabet (IPA) and apply to exploration of sound and language. Designed to increase voice and speech awareness, and create a base knowledge from which to approach any accent or dialect.

0101	Ashley Smith	Seats (Total: 12)	
	TuTh 10:00am - 11:50am	PAC 3730	

THET425 **Actor's Process II**

THET425 *(PermReq)* **Actor's Process II; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: THET310; and (THET325 or THET324); and Must audition; and permission of ARHU-School of Theatre, Dance & Performance Studies department. A deeper exploration of the work begun in THET325. A continuation of creating a personal process through which the actor can confidently approach any genre of play. Special focus on status and subtext and the world of the playwright.

0101	Mitchell Hebert	Seats (Total: 12)	
	MW 10:00am - 11:50am	PAC 3730	Lab

THET429 **Actor's Studio**
Contact department for information to register for this course.

THET465 **History of Fashion for the Theatre**

THET465 *(PermReq)* **History of Fashion for the Theatre; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: THET116; or permission of instructor. Restriction: Sophomore standing or higher. A survey of Western clothing from the Ancient Worlds through 20th Century. A discussion of the cultural contexts of various trends in fashion through an examination of art, industry and textiles.

0101	Mikhail Kachman	Seats (Total: 15)	
	TuTh 9:30am - 10:45am	PAC 2733	

THET471 **Design Studio in Scenery**

THET471 *(PermReq)* **Design Studio in Scenery; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: THET371; and permission of ARHU-School of Theatre, Dance Performance Studies department. Also offered as: THET639. Cre granted for: THET471 or THET639. Advanced study of scenic design for the theatre. Particular design projects will vary. Also offered as THET639.

0101	Daniel Conway	Seats (Total: 2)	
	MW 10:00am - 11:50am	PAC 2733	

THET477 **Design Studio in Lighting**

THET477 *(PermReq)* **Design Studio in Lighting; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: THET377; and permission of ARHU-School of Theatre, Dance Performance Studies department. Also offered as: THET659. Cre granted for: THET477 or THET659. Designed for students who have successfully completed THET377 and wish to further develop their lighting design skills. Emphasis is on theoretical design of productions and realized light lab projects. Particular design projects will vary.

0101	Brian MacDevitt	Seats (Total: 4)	
	MW 3:00pm - 4:50pm	PAC 2755	Lab

THET481 **Theatre Graphics II: Computer Assisted Design**

THET481 *(PermReq)* **Theatre Graphics II: Computer Assisted Design; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: THET114 or TDPS201; and (THET116 and THET273); and permission of ARCH-School of Architecture, Planning, & Preservation. Restriction: Sophomore standing or higher. Study and practical application of computer generated graphical design for use in theatrical production.

0101	Joshua Madsen	Seats (Total: 8)	
	TuTh 9:30am - 10:45am	PAC 2727	Lab

THET488A **Special Topics in Theatre History Before 1800; Theatre Architecture from the Minoans to the Baroque**

THET488A *(PermReq)* **Special Topics in Theatre History Before 1800: Theatre Architecture from the Minoans to the Baroque; (3 credits)** Grade Method: REG/P-F/AUD.
Also offered THET698A.

0101	Franklin Hildy	Seats (Total: 30)
	TuTh 11:00am - 12:15pm	PAC 1815

THET489A **Special Topics in Theatre History from 1800 to Present; Blackface to Postrace: The Art and Politics of Transracial Performance**

THET489A *(PermReq)* **Special Topics in Theatre History from 1800 to Present: Blackface to Postrace: The Art and Politics of Transracial Performance; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Faedra Carpenter	Seats (Total: 30)
	MW 11:00am - 12:15pm	PAC 1815

THET499 **Independent Study**

THET499 *(PermReq)* **Independent Study; (1-3 credits)** Grade Method: REG/P-F/AUD.

0201	Franklin Hildy	Seats (Total: 5)
	Contact instructor or department for details.	
0301	Leigh Smiley	Seats (Total: 5)
	Contact instructor or department for details.	

0401	Scot Reese Contact instructor or department for details.	Seats (Total: 5)
0501	Instructor: TBA Contact instructor or department for details.	Seats (Total: 5)
0601	Ashley Smith Contact instructor or department for details.	Seats (Total: 5)
0701	Walter Dallas Contact instructor or department for details.	Seats (Total: 5)
0801	Leslie Felbain Contact instructor or department for details.	Seats (Total: 5)
0901	Mitchell Hebert Contact instructor or department for details.	Seats (Total: 5)
1101	Mikhail Kachman Contact instructor or department for details.	Seats (Total: 5)
1301	Brian MacDevitt Contact instructor or department for details.	Seats (Total: 5)
1401	Jared Mezzocchi Contact instructor or department for details.	Seats (Total: 5)
1501	Daniel Wagner Contact instructor or department for details.	Seats (Total: 5)
1601	Daniel Conway Contact instructor or department for details.	Seats (Total: 5)
1701	Helen Huang Contact instructor or department for details.	Seats (Total: 5)
1801	Heather Nathans Contact instructor or department for details.	Seats (Total: 5)
2001	Faedra Carpenter Contact instructor or department for details.	Seats (Total: 5)
2003	Cary Gillett Contact instructor or department for details.	Seats (Total: 5)

2005	Laurie Frederik Meer Contact instructor or department for details.	Seats (Total: 5)
2007	Instructor: TBA Contact instructor or department for details.	Seats (Total: 5)
2009	Instructor: TBA Contact instructor or department for details.	Seats (Total: 5)

THET499B **Independent Study; FIGURE DRAWING**

THET499B *(PermReq)* **Independent Study: FIGURE DRAWING; (3 credits)** Grade Method: REG/AUD.
Prerequisite: permission of department.

0101	Raye Leith F 9:00am - 11:50am	Seats (Total: 6) PAC 2740

THET499D **Independent Study; Chekhov Scene Study**

THET499D *(PermReq)* **Independent Study: Chekhov Scene Study; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: THET310, and either THET324 or THET325; or permission of the instructor.

0101	Ashley Smith M 1:00pm - 4:00pm	Seats (Total: 12) PAC 3732

THET499O **Independent Study; Theatrical Clown**

THET499O *(PermReq)* **Independent Study: Theatrical Clown; (3 credits)** Grade Method: REG/P-F/AUD.
Audition and permission of the department required.

0101	Leslie Felbain F 9:00am - 12:00pm	Seats (Total: 12) PAC 3736

THET600 **Introduction to Graduate Research Methods**

THET600 *(PermReq)* **Introduction to Graduate Research Methods; (3 credits)** Grade Method: REG/AUD.
Also offered as: THET700. Credit only granted for: THET600 or THET700. A research and bibliography course with special emphasis on research in theatre. Required of all M.A. and M.F.A. students.

0101	Franklin Hildy Tu 4:00pm - 6:35pm	Seats (Total: 12) PAC 2515C

THET606 **Teaching Theatre**

THET606 Teaching Theatre; (1 credit) Grade Method: REG/AUD.
Strategies and materials for teaching a typical introductory course in theatre, with emphasis on specific problems of classroom instruction (e.g., creating a supportive climate, promoting active learning by students, constructing appropriate tests, adapting methods to content, and resolving discipline problems).

0101	Kristen Messer Tu 3:00pm - 3:50pm	Seats (Total: 10) PAC 2804

THET608C **Seminar: Theory and Performance Studies; Criticial Race Theory and Performance**

THET608C *(PermReq)* **Seminar: Theory and Performance Studies: Criticial Race Theory and Performance; (3 credits)** Grade Method: REG.

0101	Faedra Carpenter Th 2:00pm - 4:30pm	Seats (Total: 10) PAC 2804

THET608D **Seminar: Theory and Performance Studies; DRAMATURGY**

THET608D Seminar: Theory and Performance Studies: DRAMATURGY; (3 credits) Grade Method: REG.

0101	Faedra Carpenter MW 3:30pm - 4:45pm	Seats (Total: 8) PAC 2804

THET608G **Seminar: Theory and Performance Studies; The Social Life of Spoken Words**

0101	Laurie Frederik Meer W 5:00pm - 7:30pm	Seats (Total: 10) PAC 2804	

THET608P **Seminar: Theory and Performance Studies; Cultural Politics and National Performances**

THET608P Seminar: Theory and Performance Studies: Cultural Politics and National Performances; (3 credits) Grade Method: REG.

0101	Laurie Frederik Meer W 5:00pm - 7:30pm	Seats (Total: 10) PAC 2804	

THET629 **Performance Lab**

THET629 Performance Lab; (1 credit) Grade Method: REG/AUD.

0101	Walter Dallas M 6:00pm - 7:00pm	Seats (Total: 8) PAC 1809	Lab

THET639 **Advanced Design Studio in Scenery**

THET639 *(PermReq)* **Advanced Design Studio in Scenery; (3 credits)** Grade Method: REG/AUD.
Also offered as THET471.

0101	Daniel Conway MW 10:00am - 11:50am	Seats (Total: 6) PAC 2755	Lab
0102	Daniel Conway TuTh 10:00am - 11:50am	Seats (Total: 6) PAC 2755	Lab

THET649 **Advanced Design Studio in Costume**

THET649 Advanced Design Studio in Costume; (3 credits) Grade Method: REG/AUD.

0101	Helen Huang MW 1:00pm - 2:50pm	Seats (Total: 8) PAC 2755	Lab

THET659 **Advanced Design Studio in Lighting**

THET659 Advanced Design Studio in Lighting; (3 credits) Grade Method: REG/AUD.

0101	Brian MacDevitt F 3:00pm - 6:00pm	Seats (Total: 10) PAC 2745
0102	Brian MacDevitt MW 3:00pm - 4:50pm	Seats (Total: 6) PAC 2755

THET669 **Independent Study**

THET669 *(PermReq)* **Independent Study; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

THET669A **Independent Study; History of Fashion for the Theatre**

THET669A Independent Study: History of Fashion for the Theatre; (3 credits) Grade Method: REG/AUD.

0101	Mikhail Kachman TuTh 9:30am - 10:45am	Seats (Total: 15) PAC 2733

THET669D **Independent Study; Advanced Media Design**

THET669D *(PermReq)* **Independent Study: Advanced Media Design; (1-3 credits)** Grade Method: REG/AUD.

0101	Jared Mezzocchi F 9:00am - 12:00pm	Seats (Total: 8) PAC 2727

THET669F **Independent Study; Figure Drawing**

THET669F *(PermReq)* **Independent Study: Figure Drawing; (3 credits)** Grade Method: REG/AUD.
Prerequisite: permission of department.

0101	Raye Leith F 9:00am - 11:50am	Seats (Total: 4) PAC 2740

THET669T **Independent Study; Thesis Development and Interdisciplinary Project**

THET669T *(PermReq)* **Independent Study: Thesis Development and Interdisciplinary Project; (3 credits)** Grade Method: REG/AUD.

0101	Walter Dallas TuTh 10:30am - 12:15pm	Seats (Total: 8) PAC 3732

THET686 **History of Modern Theory**

THET686 History of Modern Theory; (3 credits) Grade Method: REG/AUD.
Recommended: THET600. Also offered as: THET486. Formerly: THET689. Modern dramatic and performance theory from realism through postmodernism with special emphasis on the European and American avant-garde.

0101	Kristen Messer M 4:30pm - 7:00pm	Seats (Total: 10) PAC 1924

THET698A **Seminar: Theatre History; Theatre Architecture from the Minoans to the Baroque**

THET698A *(PermReq)* **Seminar: Theatre History: Theatre Architecture from the Minoans to the Baroque; (3 credits)** Grade Method: REG/AUD.
Also offered as THET488A.

0101	Franklin Hildy TuTh 11:00am - 12:15pm	Seats (Total: 30) PAC 1815

THET700 **Introduction to Doctoral Studies in Theatre**

THET700 *(PermReq)* **Introduction to Doctoral Studies in Theatre; (3 credits)** Grade Method: REG/AUD.
Prerequisite: Must be admitted to the Ph.D. program in Theatre. Also offered as: THET600. Credit only granted for: THET600 or THET700. Basic skills in theatre research.

0101	Franklin Hildy Tu 4:00pm - 6:35pm	Seats (Total: 12) PAC 2515C

THET788 **Master's Tutorial**

THET788 *(PermReq)* **Master's Tutorial; (1-6 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

THET789 **Master's Practicum**

THET789 *(PermReq)* **Master's Practicum; (1-6 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

THET799 **Master's Thesis Research**

THET799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

THET888 **Doctoral Practicum in Theatre**

THET888 *(PermReq)* **Doctoral Practicum in Theatre; (3-9 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

THET889 **Doctoral Tutorial in Theatre**

THET889 *(PermReq)* **Doctoral Tutorial in Theatre; (3-8 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

THET898 **Pre-Candidacy Research**

THET898 *(PermReq)* **Pre-Candidacy Research; (1-8 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

THET899 **Doctoral Dissertation Research**

THET899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

TOXI Toxicology Fall 2012

TOXI609 **Methods in Toxicology**

TOXI609 *(PermReq)* **Methods in Toxicology; (1-3 credits)** Grade Method: REG/AUD.

0101	Judd Nelson	Seats (Total: 5)
	Contact instructor or department for details.	

UMEI Maryland English Institute Fall 2012

UMEI001 **English as a Foreign Language: Beginning**

International students on F1 visas must maintain a full-time status. Fu ll-time status for undergraduate students will be based on registration for 12 or more semester hours, for graduate students, it is a combinatio n of courses equivalent to 48 units per semester. Registration in UMEI0 01-004 is equivalent to full-time study. Those enrolled in these course s are not permitted to enroll in any other course work. For further inf ormation on what constitutes full-time status, please see: http://www.te studo.umd.edu/soc/fulltime.html.

UMEI courses do not carry credit toward any degree at the University and do not count in the retention plan. Additional fees are required for t hese courses. For more information, see the financial section in the Re gistration Guide.

UMEI001 English as a Foreign Language: Beginning; (12 credits) Grade Method: S-F.

Intensive course for the non-native speaker of English who has little or no previous knowledge of English. Focus on the rapid acquisition of the basic features of English grammar and pronunciation and on speaking and understanding American English; reading and writing appropriate to the level will be included. Special fee required for this course. This course does not carry credit towards any degree at the University and does not count in the retention plan.

0101	Amanda Wilder, Caralyn Bushey **Meets August 28, 2012 - December 6, 2012** MTuWThF 9:00am - 11:50am MTuWThF 1:00pm - 2:50pm	Seats (Total: 20) JMZ 1226 MTH 2300

UMEI002 **English as a Foreign Language: Intermediate I**

International students on F1 visas must maintain a full-time status. Full-time status for undergraduate students will be based on registration for 12 or more semester hours, for graduate students, it is a combination of courses equivalent to 48 units per semester. Registration in UMEI001-004 is equivalent to full-time study. Those enrolled in these courses are not permitted to enroll in any other course work. For further information on what constitutes full-time status, please see: http://www.testudo.umd.edu/soc/fulltime.html.

UMEI courses do not carry credit toward any degree at the University and do not count in the retention plan. Additional fees are required for these courses. For more information, see the financial section in the Registration Guide.

UMEI002 *(PermReq)* **English as a Foreign Language: Intermediate I; (12 credits)**

Grade Method: S-F.

Intensive course for the non-native speaker of English who has had some previous instruction in English. Emphasis on improving listening and speaking skills, on mastering intermediate grammatical structures, and on expanding vocabulary. Includes practice in reading and writing appropriate to the level. Special fee required for this course. This course does not carry credit towards any degree at the University and does not count in the retention plan.

0101	Eric Walker, Glenn Knapp **Meets August 29, 2012 - December 6, 2012** MTuWThF 9:00am - 11:50am MTuWThF 1:00pm - 2:50pm	Seats (Total: 15) COL 3110 COL 3110
0201	Melanie Baker, Glenn Knapp **Meets August 29, 2012 - December 6, 2012** MTuWThF 9:00am - 11:50am MTuWThF 1:00pm - 2:50pm	Seats (Total: 15) COL 0100 ARM 0105

UMEI003 **English as a Foreign Language: Intermediate II**

UMEI003 English as a Foreign Language: Intermediate II; (12 credits) Grade Method: S-F.

Intensive course for the non-native speaker of English who has mastered the essential structures of English grammar. Emphasis on improving communicative skills for a wide range of linguistic situations, on rapid expansion of vocabulary, and on improving reading comprehension and basic writing skills. Special fee required for this course. This course does not carry credit towards any degree at the University and does not count in the retention plan.

0101	Nina Liakos, Daniela Wagner-Loera **Meets August 29, 2012 - December 6, 2012** MTuWThF 9:00am - 11:50am MTuWThF 1:00pm - 2:50pm	Seats (Total: 20) COL 0102 ARM 0118
0201	Marilena Draganescu, Daniela Wagner-Loera **Meets August 29, 2012 - December 6, 2012** MWF 9:00am - 11:50am TuTh 9:00am - 11:50am MWF 1:00pm - 2:50pm TuTh 1:00pm - 2:50pm	Seats (Total: 20) SQH 2117 HBK 0123 SQH 1117 HBK 0123

UMEI004 **English as a Foreign Language: Intermediate III**

UMEI004 *(PermReq)* **English as a Foreign Language: Intermediate III; (12 credits)** Grade Method: S-F.

Intensive course for the non-native speaker of English who has a good command of the basic features of spoken and written English. Emphasis on refining speaking and listening skills, on improving reading speed and comprehension of academic texts, and on developing writing skills for academic courses. Special fee required for this course. This course does not carry credit towards any degree at the University and does not count in the retention plan.

0101	DeAnna Coon, Jonathan Malone **Meets August 29, 2012 - December 6, 2012** MTuWThF 9:00am - 11:50am MTuWThF 1:00pm - 2:50pm	Seats (Total: 20) KEY 0107 MTH B0431
0201	Instructor: TBA **Meets August 29, 2012 - December 6, 2012** MTuWThF 9:00am - 11:50am MTuWThF 1:00pm - 2:50pm	Seats (Total: 20) ARM 0120 ARM 0120
0301	Deborah Turner, Raymond Smith **Meets August 29, 2012 - December 6, 2012** MTuWThF 9:00am - 11:50am MTuWThF 1:00pm - 2:50pm	Seats (Total: 20) COL 3109 COL 3109

UMEI005 **Advanced English as a Foreign Language**

UMEI005 Advanced English as a Foreign Language; (6 credits) Grade Method: S-F.

Semi-intensive course for the nearly proficient non-native speaker of English needing additional language instruction prior to undertaking full-time academic study. Speaking and listening skills; improvement of reading speed and comprehension; and development of writing skills. Special fee required for this course. This course does not carry credit towards any degree at the University and does not count in the retention plan.

0101	Charles Duquette MTuWThF 9:00am - 10:50am *This section is restricted to Graduate Students.*	Seats (Total: 18) ANS 0402
0201	Minna Nilanont MWF 1:00pm - 2:50pm TuTh 1:00pm - 2:50pm	Seats (Total: 18) KEY 0125 ARM 0101
0301	Annelies Galletta MTuWThF 9:00am - 10:50am	Seats (Total: 18) ARM 0118

0401	Annelies Galletta MWF 12:00pm - 1:50pm TuTh 12:00pm - 1:50pm	Seats (Total: 18) PHY 1204 EGR 3111

UMEI006 **English Pronunciation**

UMEI006 *(PermReq)* **English Pronunciation; (2 credits)** Grade Method: S-F. Individualized class for the non-native speaker of English. Diagnosis of individual pronunciation problems. Practice in the correct pronunciation of English sounds and improvement of ability to speak English with proper stress and intonation patterns. Special fee required for this course. This course does not carry credit towards any degree at the University and does not count in the retention plan.

0101	Diego Hernandez MW 12:00pm - 1:30pm	Seats (Total: 16) CHE 2116

UMEI007 **Advanced Writing for International Students**

UMEI007 Advanced Writing for International Students; (3 credits) Grade Method: S-F.
Restriction: Must have graduate standing. A writing skills course for the non-native speaker of English with a good command of spoken English. This course does not carry credit towards any degree at the University and does not count in the retention plan.

0101	Diego Hernandez MW 9:00am - 10:50am	Seats (Total: 16) ARM 0103
0201	Susan Gould WF 12:00pm - 1:50pm	Seats (Total: 16) WDS 1127
0301	Diego Hernandez TuTh 9:30am - 11:20am	Seats (Total: 16) MTH B0431
0401	Eric Walker MW 3:00pm - 4:50pm	Seats (Total: 16) ARM 0120

UMEI008 **Advanced Oral Communication Skills**

UMEI008 Advanced Oral Communication Skills; (2 credits) Grade Method: S-F.

0101	Susan Gould MW 3:15pm - 5:15pm	Seats (Total: 20) ARM 0121

UNIV University Courses Fall 2012

UNIV099 **Internship Seminar**

UNIV099 *(PermReq)* **Internship Seminar; (No credit)** Grade Method: S-F.

0101	Erica Ely, Ekaterina Solovyeva Contact instructor or department for details.	Seats (Total: 90)

UNIV100 **The Student in the University**

UNIV100 The Student in the University; (1 credit) Grade Method: REG/P-F/AUD. *Credit only granted for: EDCP108O or UNIV100. Formerly: EDCP108O.* Introduces students to University life. In a small classroom setting, students will explore how to successfully bridge the gap between high school and college. Study skills, career decision-making, and student development processes will be explored.

0101	Stephen Roche W 6:00pm - 7:50pm	Seats (Total: 14) COL 1102
0201	Kristin Bobowiec, Brian Markowitz M 3:00pm - 4:50pm *For BSOS students only.*	Seats (Total: 25) HBK 0105
0202	Martrez Marshall, TC Lloyd M 3:00pm - 4:50pm *For BSOS students only.*	Seats (Total: 25) PLS 1119
0203	Bailey Kier W 3:00pm - 4:50pm *Open to all BSOS majors.*	Seats (Total: 25) BPS 1234
0204	Troy Lewis Tu 10:00am - 11:50am *For BSOS students only.*	Seats (Total: 25) PLS 1146

0205	Kimberly Bethke Th 3:00pm - 4:50pm *Open to all BSOS majors.*	Seats (Total: 25) KEY 0125
0206	Paulanne Walker, Christa Cooper Th 3:00pm - 4:50pm *For BSOS students only.*	Seats (Total: 25) PLS 1115
0207	Rosalyn Anderson-Howell Tu 3:00pm - 4:50pm *For BSOS students only.*	Seats (Total: 25) KEY 0117
0208	Christie Cradock W 10:00am - 11:50am	Seats (Total: 25) CSS 2428
0305	Christopher Lester W 6:00pm - 7:50pm *Restricted to OMSE - College Success Scholars. Class will meet in Room Nonprint Media - Hornbake Library.*	Seats (Total: 20) HBK 0302H
0306	Christopher Lester W 6:00pm - 7:50pm *OMSE- College Success Scholars. Class will meet in Room H Nonprint Medi - Hornbake Library.*	Seats (Total: 20) HBK 0302H
0307	Christopher Lester W 6:00pm - 7:50pm *OMSE-College Success Scholars. Class will meet in Room H Nonprint Media - Hornbake Library.*	Seats (Total: 20) HBK 0302H
0308	Christopher Lester W 6:00pm - 7:50pm *OMSE-Soaring Achievers*	Seats (Total: 20) HZF 0106
0309	Christopher Lester W 6:00pm - 7:50pm *OMSE-Soaring Achievers*	Seats (Total: 20) HBK 0103

0310	Christopher Lester W 6:00pm - 7:50pm *OMSE-Soaring Achievers*	Seats (Total: 20) HBK 1112
0501	Shannon Hayes Th 1:00pm - 2:50pm *Restricted to students in Education.*	Seats (Total: 20) Location: TBA
0503	Instructor: TBA W 11:00am - 12:50pm *Restricted to students in Education.*	Seats (Total: 12) Location: TBA
0601	LaWanda Kamalidiin Th 5:00pm - 6:50pm *Restricted to Engineering Bridge Program Participants.*	Seats (Total: 20) PLS 1176
0701	Instructor: TBA W 3:00pm - 4:50pm *Restricted to Journalism majors.*	Seats (Total: 20) PLS 1176
0702	Olive Reid W 3:00pm - 4:50pm *Restricted to Journalism majors.*	Seats (Total: 20) KNI 1206
0801	Jean Turner, Jaison Cooper **Meets September 3, 2012 - November 9, 2012** M 2:00pm - 3:50pm *Restricted to First Semester Letters and Sciences Students.*	Seats (Total: 20) PLS 1164
0802	Amelia Hogan, Emily Summers **Meets September 3, 2012 - November 9, 2012** Th 2:00pm - 3:50pm *Restricted to First Semester Letters and Sciences students who are living on campus and not already part of a living/learning community.*	Seats (Total: 20) OAK 0318

0803	Noah Jacobs **Meets September 3, 2012 - November 9, 2012** M 2:00pm - 3:50pm *Restricted to First Semester Letters and Sciences Students.*	Seats (Total: 20) JMZ 0205
0804	Madison Birnbaum, Gregory Shaffer **Meets September 3, 2012 - November 9, 2012** M 12:00pm - 1:50pm *Restricted to First Semester Letters and Sciences Students interested in Pre-law.*	Seats (Total: 20) PLS 1115
0805	Alamea Goldstein **Meets September 3, 2012 - November 9, 2012** M 3:00pm - 4:50pm *Restricted to First Semester Letters and Sciences Students.*	Seats (Total: 20) JMZ 0120
0806	Thomas Steen, Victoria Shay **Meets September 3, 2012 - November 9, 2012** W 3:30pm - 5:20pm *Restricted to First Semester Letters and Science Students.*	Seats (Total: 20) PLS 1117
0807	Kaye Guidugli **Meets September 3, 2012 - November 9, 2012** Tu 11:00am - 12:50pm *Restricted to First Semester Letters and Sciences Students.*	Seats (Total: 20) KEY 0119
0808	Rebecca Baron **Meets September 3, 2012 - November 9, 2012** Tu 2:00pm - 3:50pm *Restricted to First Semester Letters and Sciences Students.*	Seats (Total: 20) ASY 3217

0809	Nicholas Ray **Meets September 3, 2012 - November 9, 2012** W 1:00pm - 2:50pm *Restricted to First Semester Letters and Sciences Students.*	Seats (Total: 20) ASY 3221
0811	Elizabeth Johnston, Megan Kowalski **Meets September 3, 2012 - November 9, 2012** M 3:00pm - 4:50pm *Restricted to First Semester Letters and Sciences Students.*	Seats (Total: 20) PLS 1172
0812	Alex Chafitz **Meets September 3, 2012 - November 9, 2012** Tu 12:30pm - 2:20pm *Restricted to First Semester Letters and Sciences Students.*	Seats (Total: 20) MTH 0105
0814	Alicia Grant **Meets September 3, 2012 - November 9, 2012** W 1:00pm - 2:50pm *Restricted to First Semester Letters and Sciences Students.*	Seats (Total: 20) KEY 0121
0815	Aimee Duncan **Meets September 3, 2012 - November 9, 2012** W 9:00am - 10:50am *Restricted to First Semester Letters and Sciences Students.*	Seats (Total: 20) EDU 3233
0820	Maren Voss, Lacey Smith **Meets September 3, 2012 - November 9, 2012** Th 12:30pm - 2:20pm *Restricted to First Semester Letters and Sciences Students.*	Seats (Total: 20) HBK 1112

0822	Thomas Castillo **Meets September 3, 2012 - November 9, 2012** Th 9:30am - 11:20am *Restricted to First Semester Letters and Sciences Students.*	Seats (Total: 20) PLS 1164
0823	Steve Leonard **Meets September 3, 2012 - November 9, 2012** W 1:00pm - 2:50pm *Restricted to First Semester Letters and Sciences Students.*	Seats (Total: 20) HBK 1108
0825	Meridith Price, Katrina Knudsen **Meets September 3, 2012 - November 9, 2012** Th 9:30am - 11:20am *Restricted to First SemesterInternational students in Letters and Sciences students.*	Seats (Total: 20) EDU 3236
0826	Tiffany Cox **Meets September 3, 2012 - November 9, 2012** W 3:00pm - 4:50pm *Restricted to First Semester Letters and Sciences Students. who are "first generation" (first in their family to attend college).*	Seats (Total: 20) PLS 1184
0841	James Cecil **Meets September 3, 2012 - November 9, 2012** M 2:00pm - 3:50pm	Seats (Total: 20) JMZ 3205
0845	Jennifer Runnels **Meets September 3, 2012 - November 9, 2012** Tu 11:00am - 12:50pm *Restricted to First Semester Letters and Sciences Students.*	Seats (Total: 20) PLS 1119

0850	Iceney Williams **Meets September 3, 2012 - November 9, 2012** W 1:00pm - 2:50pm *Restricted to First Semester Letters and Sciences Students.*	Seats (Total: 0) PLS 1164
0851	Damien Franze **Meets September 3, 2012 - November 9, 2012** M 1:00pm - 2:50pm *Restricted to First Semester Letters and Sciences Students.*	Seats (Total: 0) ASY 3217
0852	Miki Brooks **Meets September 3, 2012 - November 9, 2012** W 3:00pm - 4:50pm *Restricted to First Semester Letters and Sciences Students.*	Seats (Total: 0) PLS 1162
0854	Keira Martone **Meets September 3, 2012 - November 9, 2012** M 1:00pm - 2:50pm *Restricted to First Semester Letters and Sciences Students.*	Seats (Total: 0) PLS 1119
0857	Ashley Adkins, Sapna Khemka **Meets September 3, 2012 - November 9, 2012** W 3:00pm - 4:45pm *Restricted to First Semester Letters and Sciences Students.*	Seats (Total: 20) HZF 0106
0858	Vanessa Freeman **Meets September 3, 2012 - November 9, 2012** W 2:00pm - 3:50pm *Restricted to First Semester Letters and Sciences Students.*	Seats (Total: 0) HBK 0103
0901	Sonali Shukla MW 11:00am - 11:50am *Restricted to Physics majors.*	Seats (Total: 20) PHY 1204

0902	Breonna Smith M 3:00pm - 4:50pm *Restricted to BSCI-CHEM-BCHM majors.*	Seats (Total: 20) JMZ 0208
0903	Julie Grossman Tu 2:00pm - 3:50pm *Restricted to BSCI-CHEM-BCHM majors.*	Seats (Total: 20) JMZ 0208
0904	Stacy Woycheck Th 10:00am - 11:50am *Restricted to BSCI-CHEM-BCHM majors.*	Seats (Total: 20) EDU 0202
0905	Cecilia Jordan Tu 11:00am - 12:50pm *Restricted to BSCI-CHEM-BCHM majors.*	Seats (Total: 20) BPS 0283
0906	Marsha Guenzler-Stevens Tu 1:00pm - 2:50pm *Restricted to BSCI-CHEM-BCHM majors.*	Seats (Total: 20) KEB 1200
0910	Amy Alexander M 2:00pm - 3:50pm *Restricted to BSCI-CHEM-BCHM majors.*	Seats (Total: 20) PLS 1117
0912	Gerry Strumpf W 12:00pm - 1:50pm *Restricted to BSCI-CHEM-BCHM majors.*	Seats (Total: 15) COL 1102
0914	Alicia Thomas Th 2:00pm - 3:50pm *Restricted to BSCI-CHEM-BCHM majors.*	Seats (Total: 20) WDS 1131
0915	Francisca Saavedra M 1:00pm - 2:50pm *Restricted to BSCI-CHEM-BCHM majors.*	Seats (Total: 20) PLS 1111
0916	Deborah Slosberg Tu 10:00am - 11:50am *Restricted to BSCI-CHEM-BCHM majors.*	Seats (Total: 20) CSS 0201

0917	Instructor: TBA Contact instructor or department for details. *Restricted to BSCI-CHEM-BCHM majors.*	Seats (Total: 10)
0918	Matthew Stahl W 2:00pm - 3:50pm *Restricted to BSCI-CHEM-BCHM majors.*	Seats (Total: 20) PLS 1158
0919	Eden Garosi Th 2:00pm - 3:50pm *Restricted to BSCI-CHEM-BCHM majors.*	Seats (Total: 20) PLS 1168
0920	Rebecca Kenemuth Th 9:00am - 10:50am *Restricted to students in College Park Scholars program.*	Seats (Total: 20) CCC 1200
0922	George Ru W 10:00am - 11:50am *Restricted to BSCI-CHEM-BCHM majors.*	Seats (Total: 20) TLF 1101
0924	Thomas Gleason TuTh 10:00am - 10:50am *Restricted to Physics majors.*	Seats (Total: 20) PHY 1219
1001	Heather Arianna MW 11:00am - 11:50am *Restricted to student-athletes.*	Seats (Total: 20) BPS 1232
1002	Robert Darville TuTh 11:00am - 11:50am *Restricted to student athletes.*	Seats (Total: 20) LEF 1220
1003	Carrie Drake TuTh 11:00am - 11:50am *Restricted to student athletes.*	Seats (Total: 20) SYM 0209
1004	Natasha Criss MW 10:00am - 10:50am *Restricted to student athletes.*	Seats (Total: 20) ASY 3221

1005	Jonathan Healy MW 9:00am - 9:50am *Restricted to student athletes.*	Seats (Total: 20) EDU 0114
1101	Jaime Oliver Tu 9:00am - 10:50am *Restricted to Architecture majors.*	Seats (Total: 16) ARC 1127
1102	Jaime Oliver Th 9:00am - 10:50am *Restricted to Architecture majors.*	Seats (Total: 16) ARC 1127
1103	Jaime Oliver Th 12:00pm - 1:50pm *Restricted to Architecture majors.*	Seats (Total: 16) ARC 1121
1201	Meghan Cohen F 11:00am - 12:15pm *Restricted to students in the School of Public Health.*	Seats (Total: 20) SPH 0305
1302	Edward Bempong Tu 3:15pm - 5:05pm *Held in the Easton Classroom. Open to all Denton Community residents (Easton, Elkton and Denton Halls) as part of the Syn*Quest Collaborative. E-mail synquest@umd.edu for more information.*	Seats (Total: 20) Location: TBA
1501	Evelyn Cooper Th 2:00pm - 3:50pm *Restricted to College of Agriculture and Natural Resources, First Year or Transfer Students.*	Seats (Total: 15) PLS 1164
1502	Angela Mazur-Gray Tu 4:00pm - 5:50pm *Restricted to College of Agriculture and Natural Resources, First Year or Transfer Students.*	Seats (Total: 15) PLS 1164
1503	Tim Lapanne M 2:00pm - 3:50pm *Restricted to College of Agriculture and Natural Resources, First Year or Transfer Students.*	Seats (Total: 15) PLS 1162

FC01	Aisha Washington M 7:30pm - 8:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 22) TYD 2110
FC02	Heather Arianna Tu 3:30pm - 4:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 22) JMZ 2207
FC03	Anne Baum F 10:00am - 11:15am *Restricted to students in Freshmen Connection.*	Seats (Total: 22) EGR 3114
FC04	Glenn Smith F 1:00pm - 2:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 22) HBK 0103
FC05	Tracy Kennedy W 7:30pm - 8:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 22) ASY 3221
FC06	Klihsree Myat W 6:00pm - 7:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 22) TYD 2110
FC07	Kimberly Bethke Th 6:30pm - 7:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 22) TYD 1114
FC08	Lee Hinga Tu 3:30pm - 4:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 22) KEY 0120
FC09	Hilary Sazama F 11:30am - 12:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 22) BPS 0283
FC10	Natalie Taylor F 11:30am - 12:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 22) CSS 2416

FC11	Eric Johnson F 1:00pm - 2:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 22) HBK 1112
FC12	Darian Schiffman M 3:00pm - 4:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 22) PLS 1146
FC13	Thomas Steen M 6:00pm - 7:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 22) HBK 1112
FC14	DaFran Ware Tu 6:30pm - 7:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 22) TYD 1114
FC15	Zimri Diaz F 11:30am - 12:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 22) EGR 2116
FC16	Erin Iverson F 10:00am - 11:15am *Restricted to students in Freshmen Connection.*	Seats (Total: 22) CSS 2416
FC17	Megan Cleaver M 4:30pm - 5:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 22) PLS 1113
FC18	Brittney Nathaniel M 6:00pm - 7:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 22) ASY 3215
FC19	Steven Young F 1:00pm - 2:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 22) PLS 1111
FC20	Amanda Long Tu 3:30pm - 4:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 22) HBK 0103

FC21	Ashlei Tobin-Robertson Tu 3:30pm - 4:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 22) WDS 1130
FC22	Thomas Castillo W 4:30pm - 5:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 22) PLS 1180
FC23	Erin Iverson Th 5:00pm - 6:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 22) PLS 1115
FC24	Tamara Fuller M 7:30pm - 8:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 22) PLS 1115
FC25	Joel Solorzano F 11:30am - 12:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 22) BPS 1238
FC26	Natasha Criss Tu 3:30pm - 4:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 22) CSS 2416
FC27	Iceney Williams W 6:00pm - 7:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 22) ASY 3221
FC28	Lori Kader F 11:30am - 12:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 22) PLS 1117
FC29	Tim Lapanne Tu 3:30pm - 4:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 22) HZF 0101
FC30	Angela Mazur-Gray Tu 6:30pm - 7:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 22) PLS 1115

FC31	Judith Martinez F 11:30am - 12:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 22) JMZ 2206
FC32	Meghan DeFord F 11:30am - 12:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 22) EGR 3114

UNIV100H **The Student in the University**

UNIV100H The Student in the University; (1 credit) Grade Method: REG/P-F/AUD. *Credit only granted for: EDCP108O or UNIV100. Formerly: EDCP108O.* Introduces students to University life. In a small classroom setting, students will explore how to successfully bridge the gap between high school and college. Study skills, career decision-making, and student development processes will be explored.

0925	Justin Nero W 1:00pm - 2:30pm *Restricted to Chemical & Life Sciences students.*	Seats (Total: 20) CHM 0124

UNIV100I **The Student in the University**

UNIV100I The Student in the University; (1 credit) Grade Method: REG/P-F/AUD. *Credit only granted for: EDCP108O or UNIV100. Formerly: EDCP108O.* Introduces students to University life. In a small classroom setting, students will explore how to successfully bridge the gap between high school and college. Study skills, career decision-making, and student development processes will be explored.

0101	Katrina Knudsen TuTh 11:00am - 12:15pm *This section is for International Students only.*	Seats (Total: 20) Location: TBA

UNIV100Q **The Student in the University**

UNIV100Q The Student in the University; (1 credit) Grade Method: REG/P-F/AUD. *Credit only granted for: EDCP108O or UNIV100. Formerly: EDCP108O.* Introduces students to University life. In a small classroom setting, students will explore how to successfully bridge the gap between high school and college. Study skills, career decision-making, and student development processes will be explored.

0101	Lauren Norris, Stephen Roche Tu 9:00am - 10:50am	Seats (Total: 20) COL 1102
	For Lesbian, Gay, Bisexual, Transgender, Queer, and Ally students.	

UNIV100V **The Student in the University**

UNIV100V The Student in the University; (1 credit) Grade Method: REG/P-F/AUD. *Credit only granted for: EDCP108O or UNIV100. Formerly: EDCP108O.* Introduces students to University life. In a small classroom setting, students will explore how to successfully bridge the gap between high school and college. Study skills, career decision-making, and student development processes will be explored.

0101	Tasha Vanterpool M 3:30pm - 5:30pm	Seats (Total: 25) JMZ 0118
	This section is reserved for VETERANS ONLY. DD214 required for verification.	

UNIV101 **The Student in the University and Introduction to Computer Resources**

UNIV101 The Student in the University and Introduction to Computer Resources; (2 credits) Grade Method: REG/P-F/AUD.
Introduces students to University life and current computer resources. In a small classroom setting, students will explore the world of higher education and current technological advances available to them. Additionally students will explore current resources both internal and external to the University, and how to utilize the World Wide Web as a research tool.

0101	Lori DeBoy W 1:00pm - 2:40pm	Seats (Total: 25) PAC 3168
	This section is restricted to freshman and first-year transfer students majoring in music, dance or theatre.	
0102	Jade Olson Tu 2:00pm - 3:40pm	Seats (Total: 0) JMZ 1124
	Restricted to Communication majors.	
0107	Stefania Amodeo M 2:00pm - 3:40pm	Seats (Total: 20) JMZ 3118
	Restricted to Foreign Language majors.	

0109	Jacqueline Kautzer Th 3:00pm - 4:40pm *Restricted to English majors.*	Seats (Total: 20) TWS 3132
0110	Julie Taddeo M 10:00am - 11:40am *Restricted to History majors.*	Seats (Total: 20) KEY 0124
0112	Sean Luechtefeld W 3:00pm - 4:40pm *Restricted to Communication majors.*	Seats (Total: 20) PLS 1172
0114	Paula Nadler M 12:00pm - 1:40pm *Restricted to students in the College of Arts and Humanities.*	Seats (Total: 24) TLF 1103
0502	Jennifer Froh M 1:00pm - 2:50pm *Restricted to students in the College of Education.*	Seats (Total: 20) KEY 0121

UNIV104 **STEP: Reading and Writing at the College Level**

UNIV104 *(PermReq)* **STEP: Reading and Writing at the College Level; (1 credit)**
Grade Method: REG/P-F.
Restriction: Must be in STEP Individual Admits program. A workshop designed to enhance students' college level reading and writing abilities to include study skills and strategies for success.

0201	Pamela Segal M 8:00am - 8:50am *Recommended for student athletes only. This course will meet in 1161 Co cast Center.*	Seats (Total: 20) Location: TBA
0301	Thomas Earles Tu 11:00am - 11:50am	Seats (Total: 29) HBK 1112
0401	Oliver Brearey Tu 11:00am - 11:50am *Recommended for student athletes only. The class will meet in 1161 Comc st Center.*	Seats (Total: 15) TWS 3250

UNIV131 **Cultural Studies: Self, Tribe and Country**

UNIV131 Cultural Studies: Self, Tribe and Country; (1 credit) Grade Method: REG/P-F/AUD.
This class will explore the role of culture in the human experience, and the skills necessary to work with diverse individuals and teams.

0101	Dan Shaltanis W 10:00am - 11:00am	Seats (Total: 30) EDU 0114

UNIV269 **Connecting Across Cultures**
Contact department for information to register for this course.

UNIV269A **Connecting Across Cultures**
Contact department for information to register for this course.

UNIV325 **Beyond the Classroom Seminar I: Civic Engagement and Social Change in a Global Context**

UNIV325 Beyond the Classroom Seminar I: Civic Engagement and Social Change in a Global Context; (3 credits) Grade Method: REG/P-F/AUD.
Restriction: Must be in the Beyond the Classroom (BTC) living and learning program.
Develops and applies the concept of civic engagement and strategies for enhancing civic engagement and advancing social justice in different contexts (global to local; multi-cultural). Develop students' leadership capacities and skills for fostering civil discourse and effective professional practices in the nonprofit and civil society sector. Students identify the key civic values, attitudes and expectations that motivate them personally as well as others to engage in civic action and leadership. Students prepare professional portfolios in preparation of a semester-long internship. Restricted to students in Beyond the Classroom (BTC) living and learning program. Development of effective written and oral communication skills for a variety of constituents.

0101	James Riker Tu 3:30pm - 6:00pm	Seats (Total: 40) SCC 1102
0201	James Riker W 3:30pm - 6:00pm	Seats (Total: 40) SCC 1102

UNIV326 **Beyond the Classroom Seminar II**

UNIV326 Beyond the Classroom Seminar II; (1 credit) Grade Method: REG/P-F/AUD.
Prerequisite: UNIV325. Restriction: Must be in the Beyond the Classroom (BTC) living and learning program. Seminar for students in internships and service-learning experiences as context for applying communication skills and knowledge of civic engagement leadership skills first introduced in UNIV325. Must be taken concurrently with experiential learning practicum.

0101	Caitlin Haugen M 5:00pm - 6:00pm	Seats (Total: 15) SCC 1102
0201	Caitlin Haugen Th 3:00pm - 4:00pm	Seats (Total: 15) SCC 1102

UNIV348D **Federal Semester Seminar; U.S. Foreign Policy: Diplomacy and Development**

UNIV348D *(PermReq)* **Federal Semester Seminar: U.S. Foreign Policy: Diplomacy and Development; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Robert Rosenthal, Raffi Balian Tu 7:00pm - 10:00pm	Seats (Total: 25) PLS 1146

UNIV348E **Federal Semester Seminar; Energy and Environmental Policy**

UNIV348E *(PermReq)* **Federal Semester Seminar: Energy and Environmental Policy; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Thomas Carter, Ed Fendley Th 3:30pm - 6:00pm	Seats (Total: 25) PLS 1117

UNIV348P **Federal Semester Seminar; Federal Health Policy**

UNIV348P *(PermReq)* **Federal Semester Seminar: Federal Health Policy; (3 credits)** Grade Method: REG/P-F/AUD.
Click here for more course information.

0101	Elaine Anderson Tu 3:30pm - 6:00pm	Seats (Total: 25) SPH 0305

UNIV348T **Federal Semester Seminar; Federal Homeland Security Policy**

UNIV348T *(PermReq)* **Federal Semester Seminar: Federal Homeland Security Policy; (3 credits)** Grade Method: REG/P-F/AUD.
Click here for more course information.

0101	Benjamin Stefano, Donald Van Duyn Tu 6:30pm - 9:30pm	Seats (Total: 25) PLS 1119

UNIV378 **Beyond the Classroom Experiential Learning; Beyond Classroom Experiential Learning**

UNIV378 Beyond the Classroom Experiential Learning: Beyond Classroom Experiential Learning; (1-3 credits) Grade Method: REG/P-F/AUD.

0101	Caitlin Haugen Contact instructor or department for details.	Seats (Total: 15)

UNIV389A **Special Topics in Undergraduate Studies; Army ROTC Independent Study Projects**

UNIV389A *(PermReq)* **Special Topics in Undergraduate Studies: Army ROTC Independent Study Projects; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Curtis Burrell Contact instructor or department for details.	Seats (Total: 20)

UNIV389J **Special Topics in Undergraduate Studies; Federal Independent Study Projects**

UNIV389J *(PermReq)* **Special Topics in Undergraduate Studies: Federal Independent Study Projects; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Joan Burton Contact instructor or department for details.	Seats (Total: 25)
0201	Joan Burton Contact instructor or department for details.	Seats (Total: 25)

UNIV389L **Special Topics in Undergraduate Studies; BTC Seminar III, Civic Leadership for Community Engagement**

UNIV389L Special Topics in Undergraduate Studies: BTC Seminar III, Civic Leadership for Community Engagement; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: UNIV325 and UNIV326.

0101	James Riker	Seats (Total: 20)
	Contact instructor or department for details.	

UNIV399 **Experiential Learning in Undergraduate Studies**

UNIV399 Experiential Learning in Undergraduate Studies; (1 credit) Grade Method: REG.

0101	Douglas Roberts	Seats (Total: 1)
	Contact instructor or department for details.	

UNIV399G **Experiential Learning in Undergraduate Studies; Beyond Superman: Educational Challenges, Innovations, and Successes in the 21st Century**

UNIV399G Experiential Learning in Undergraduate Studies: Beyond Superman: Educational Challenges, Innovations, and Successes in the 21st Century; (1 credit) Grade Method: REG/P-F/AUD.
Why do we go to school? What does it mean to be educated? What differentiates a high quality from a low quality education? This series examines these basic questions through film, guest speakers, discussion, and field trips. The course examines real-life policies and practices that shape educational experiences domestically and abroad such as No Child Left Behind, Education for All, merit based pay, high stakes testing, girls' education, teacher training, non-formal education and charter schools and privatization. The series investigates how traditional schooling has failed some students, resulting in massive inequalities worldwide. It also looks at innovative and inspirational practices that are challenging traditional educational systems and making a difference in students lives.

0101	Caitlin Haugen	Seats (Total: 40)
	Th 4:30pm - 6:30pm	SCC 1102

UNIV399V **Experiential Learning in Undergraduate Studies; Voting as If the Issues Mattered**

UNIV399V Experiential Learning in Undergraduate Studies: Voting as If the Issues Mattered; (1 credit) Grade Method: REG/P-F/AUD.
As the 2012 Presidential and Congressional elections get underway, this series will explore the implications of key civic issues facing the United States at the national and global levels. What are the key challenges facing the nation and what are possible ideas for solving these policy issues? What do you need to know about key civic issues in order to be prepared for voting in the 2012 state and national presidential elections? What role does the media play in influencing and informing us about the key civic issues? What key civic issues need to be put back on the public agenda and solved in the future? The series will draw directly on the perspectives of documentary films and leading nonpartisan, nonprofit organizations on how to best address and to solve these civic issues.

0101	James Riker M 7:00pm - 9:00pm	Seats (Total: 40) SCC 1102	

URSP Urban Studies and Planning Fall 2012

URSP250 **The Sustainable City: Exploring Opportunities and Challanges**

URSP250 The Sustainable City: Exploring Opportunities and Challanges; (3 credits) Grade Method: REG/P-F/AUD. CORE Interdisciplinary & Emerging Issues (IE) Course. GenEd: Distributive Studies - Scholarship in Practice; Signature Courses - I-Series.
An exploration, through an interdisciplinary approach, of a number of issues related to making cities more sustainable in terms of environmental protection, economic opportunity, and social justice. The course assist students to develop skills in critical analysis and systems thinking and to use those skills in analyzing sustainability related problems and potential solutions, and to expand students' understanding of the political implications of crafting and moving towards a sustainable urban future.

0101	James Cohen M 9:30am - 10:45am W 12:30pm - 1:45pm	Seats (Total: 22) TWS 1100 ARC 1103	 Discussion
0102	James Cohen M 9:30am - 10:45am W 9:30am - 10:45am	Seats (Total: 21) TWS 1100 ARC 1105	 Discussion

0103	James Cohen	Seats (Total: 22)	
	M 9:30am - 10:45am W 9:30am - 10:45am	TWS 1100 ARC 1103	Discussion

URSP289Q **Quality of Urban Life**

URSP289Q Quality of Urban Life; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - History and Social Sciences; Diversity - Understanding Plural Societies; Signature Courses - I-Series.
Also offered as LASC248Q.

0101	William Hanna	Seats (Total: 78)	
	Tu 4:30pm - 7:00pm	ARC 0204	

URSP372 **Diversity and the City**

URSP372 Diversity and the City; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course. GenEd: Diversity - Understanding Plural Societies.
Exploration of the different needs of diverse economic, racial/ethnic, and gender groups that live and work in cities, the historical background of differences, the impact of societal structures and group cultures, and how public and private policies do and can affect different groups.

0101	Howell Baum	Seats (Total: 25)	
	MW 12:30pm - 1:45pm	ARC 1105	

URSP399I **Independent Study**

URSP399I *(PermReq)* **Independent Study; (3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

URSP600 **Research Design and Application**

URSP600 Research Design and Application; (3 credits) Grade Method: REG. *Formerly: URSP602.* Techniques in urban research, policy analysis, and planning. Survey of descriptive and normative models. Objective and subjective measurements. Emphasis on assumptions of research.

0101	Joseph Costanzo Th 7:00pm - 9:45pm	Seats (Total: 25) ASY 3215

URSP601 **Research Methods**

URSP601 *(PermReq)* **Research Methods; (3 credits)** Grade Method: REG/AUD. *Recommended: URSP600; and An undergraduate-level statistics course; and Familiarity with Microsoft Excel. Formerly: URBS601.* Use of measurement, statistics, quantitative analysis, and micro-computers in urban studies and planning.

0101	Casey Dawkins W 4:00pm - 6:30pm	Seats (Total: 15) ARC 1115

URSP605 **Planning History and Theory**

URSP605 Planning History and Theory; (3 credits) Grade Method: REG/AUD. Exploration of the major events and issues in United States planning history, the prevailing theories of planning, and the planning history-theory relationship. Emphasis on urban planning.

0101	James Cohen M 7:00pm - 9:35pm	Seats (Total: 28) ARC 1103

URSP606 **Microeconomics of Planning and Public Policy**

URSP606 Microeconomics of Planning and Public Policy; (3 credits) Grade Method: REG.
Restriction: Must not have completed URSP630. Credit only granted for: URSP606, URBS606, or URBS630. Formerly: URBS606. Resource allocation in a market economy, the nature of market failures, and the justifications for public sector intervention. The limits and possibilities for planning in a market economy.

0101	Chengri Ding Tu 4:00pm - 6:30pm	Seats (Total: 30) ASY 3217

URSP612 **Geographic Information Systems for Urban Planning**

URSP612 *(PermReq)* **Geographic Information Systems for Urban Planning; (3 credits)** Grade Method: REG/AUD.
Credit only granted for: URSP612 or URSP688M. Formerly: URSP688M. An introduction to GIS and its application to urban planning. Topics include: thematic mapping, GIS data structure, spatial analysis, Internet GIS, using census data to study urban areas, and examples of urban GIS application. Weekly laboratory and project work use ArcGIS software. For URSP majors only.

0101	Chao Liu	Seats (Total: 20)
	W 7:00pm - 9:30pm	ARC 1115

URSP632 **The Urban Neighborhood**

URSP632 The Urban Neighborhood; (3 credits) Grade Method: REG/AUD.
Formerly: URBS632. Urban neighborhoods as physical, socio-political and geographic entities. Residents' perceptions, urban/suburban differences, neighboring behavior, organization, planning, design concepts.

0101	William Hanna	Seats (Total: 23)
	Th 4:00pm - 6:30pm	ARC 1101

URSP673 **Social Planning**

URSP673 Social Planning; (3 credits) Grade Method: REG/AUD.
Credit only granted for: URSP673, URBS683, or URBS673. Formerly: URBS673. Planning programs and policies in health, education, and social welfare. Strategies for organizational and community change and development.

0101	Howell Baum	Seats (Total: 20)
	W 4:00pm - 6:30pm	ASY 3219

URSP688I **Recent Developments in Urban Studies; Sustainable Context Sensitive Strategies for Land Use: Development, Design and Transportation**

URSP688I *(PermReq)* **Recent Developments in Urban Studies: Sustainable Context Sensitive Strategies for Land Use: Development, Design and Transportation; (3 credits)** Grade Method: REG/AUD.
Also offered as LARC689A and RDEV689G.

0101	Margaret McFarland, Jack Sullivan, Hiroyuki Iseki Th 7:00pm - 9:45pm	Seats (Total: 23) ARC 1101

URSP688N **Recent Developments in Urban Studies; Urban Transportation Planning and Policy**

URSP688N Recent Developments in Urban Studies: Urban Transportation Planning and Policy; (3 credits) Grade Method: REG/AUD.

0101	Hiroyuki Iseki M 4:00pm - 6:30pm	Seats (Total: 15) TYD 0101

URSP688P **Recent Developments in Urban Studies; Sustainable and Equitable Economic Development**

URSP688P Recent Developments in Urban Studies: Sustainable and Equitable Economic Development; (3 credits) Grade Method: REG/AUD.

0101	Gerrit Knaap Tu 1:00pm - 3:30pm	Seats (Total: 15) PKR 1112V

URSP708 **Community Planning Studio**

URSP708 Community Planning Studio; (6 credits) Grade Method: REG/AUD.

0101	Christopher Dempwolf Tu 7:00pm - 9:30pm Th 1:00pm - 3:30pm	Seats (Total: 12) ARC 1119 ARC 1119

URSP709 **Field Instruction**

URSP709 Field Instruction; (3 credits) Grade Method: REG/AUD.

0101	James Cohen Contact instructor or department for details.	Seats (Total: 20)

URSP710 **Research Seminar: Urban Theory and Issues**

URSP710 *(PermReq)* **Research Seminar: Urban Theory and Issues; (3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: 15 credits in URSP courses. Restriction: Must be in Urban and Regional Planning and Design (Doctoral) program. Formerly: URBS710. An advanced research seminar for M.A. and M.C.P. students preparing their final research projects.

Contact department for information to register for this course.

URSP788 **Independent Study in Urban Studies and Planning**

URSP788 *(PermReq)* **Independent Study in Urban Studies and Planning; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

URSP798 **Readings in Urban Studies and Planning**

URSP798 *(PermReq)* **Readings in Urban Studies and Planning; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

URSP799 **Master's Thesis Research**

URSP799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

URSP810 **Contemporary Metropolitan Issues**

URSP810 Contemporary Metropolitan Issues; (3 credits) Grade Method: REG/AUD.
Restriction: Must be in Urban and Regional Planning and Design (Doctoral) program.
Introduces Ph.D. students to current metropolitan issues. Focus is on the historical development of the issue, problem definition, methodological approaches to its study, methodological dilemmas, and the ways that different conclusions are translated into policy. Topics vary from semester to semester but include such topics as the spatial mismatch hpothesis, the impact of urban design and form on travel behavior, the impact of technology on urban form, the justification for historic preservation, and sustainable development.

0101	Marie Howland	Seats (Total: 10)
	M 1:00pm - 3:30pm	ARC 1119

URSP898 **Pre-Candidacy Research**

URSP898 Pre-Candidacy Research; (1-8 credits) Grade Method: S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

URSP899 **Doctoral Dissertation Research**

URSP899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

USLT Latina/o Studies Fall 2012

USLT201 **U.S. Latina/o Studies I: An Historical Overview to the 1960's**

Please visit http://amst.umd.edu/programs/course/ for more course information.
USLT201 U.S. Latina/o Studies I: An Historical Overview to the 1960's; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. CORE Diversity (D) Course.
Interdisciplinary course focusing on demographics, terminology and social constructs of race, class, ethnicity, indigeneity, gender, and sexuality associated with the historical and political roots of US Latinidades. Examines the formation, evolution an adaptation of US Latina/o communities as critical field of inquiry.

0101	Perla Guerrero	Seats (Total: 35)
	TuTh 2:00pm - 3:15pm	EDU 1107

USLT498A **US Latina/o Studies: Special Topics; Latinas/os on the Silver Screen**

USLT498A US Latina/o Studies: Special Topics: Latinas/os on the Silver Screen; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as AMST498G. Prerequisite: At least three credit hours of prior coursework in American Studies (for AMST498G only).

0101	Robert Chester	Seats (Total: 30)
	TuTh 2:00pm - 3:15pm	JMZ 2122

USLT498K **US Latina/o Studies: Special Topics; The Diversifying U.S.: Globalization, Immigrants, Migrants, and Refugees**

USLT498K US Latina/o Studies: Special Topics: The Diversifying U.S.: Globalization, Immigrants, Migrants, and Refugees; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as AMST498O.

0101	Perla Guerrero	Seats (Total: 35)
	TuTh 9:30am - 10:45am	HZF 0101

VMSC Veterinary Medical Sciences Fall 2012

VMSC610 **Recombinant Viral Vectors**

VMSC610 Recombinant Viral Vectors; (3 credits) Grade Method: REG/AUD.
Restriction: Permission of instructor. A comprehensive presentation of information on the molecular biology of the most relevent viral vectors developed to date and give insight on vector contruction, purification and utilization. Also intended for students in virology and related fields as well as to those interested in the application of viral vectors to basic research.

0101	Ioannis Bossis	Seats (Total: 12)
	Th 3:00pm - 5:30pm	GVC 1216

VMSC688A **Special Topics in Veterinary Medical Sciences; Advances in Reverse Genetics of Animal Viruses**

VMSC688A Special Topics in Veterinary Medical Sciences: Advances in Reverse Genetics of Animal Viruses; (1-4 credits) Grade Method: REG.

0101	Siba Samal TBA	Seats (Total: 20) GVC 1216

VMSC689 **Use of Genomics and Proteomics in Infectious Disease**

VMSC689 Use of Genomics and Proteomics in Infectious Disease; (3 credits) Grade Method: REG/AUD.

0101	Utpal Pal, Daniel Nelson F 1:00pm - 4:00pm	Seats (Total: 20) GVC 1216

VMSC698 **Seminar in Veterinary Medical Science**

VMSC698 Seminar in Veterinary Medical Science; (1-3 credits) Grade Method: REG.
Class will meet in 1216 Gudelsky Building.

0101	Georgiy Belov Th 11:00am - 12:00pm	Seats (Total: 20) GVC 1216

VMSC699 **Special Problems in Veterinary Medical Sciences; Special Problems in Virus-cell Interaction**

VMSC699 Special Problems in Veterinary Medical Sciences: Special Problems in Virus-cell Interaction; (1-4 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

VMSC760 **Immunology of Infectious Diseases**

VMSC760 Immunology of Infectious Diseases; (3 credits) Grade Method: REG/AUD.
Prerequisite: MICB750 or equivalent; or permission of instructor. An advanced graduate level course that focuses on the cutting-edge knowledge of immunity and recent research breakthroughs in the interactions between host immune system and infectious pathogen, and vaccine development

0101	Xiaoping Zhu TuTh 1:45pm - 3:00pm	Seats (Total: 25) PLS 1115

VMSC799 **Thesis Research**

VMSC799 Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

VMSC898 **Pre-Candidacy Research**

VMSC898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

VMSC899 **Dissertation Research**

VMSC899 *(PermReq)* **Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

WMST Women's Studies Fall 2012

WMST200 **Introduction to Women's Studies: Women and Society**

WMST200 Introduction to Women's Studies: Women and Society; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - History and Social Sciences; Diversity - Understanding Plural Societies.
An interdisciplinary study of the status, roles, and experiences of women in society. Sources from a variety of fields such as literature, psychology, history, and anthropology, focusing on the writings of women.

0101	Katie White TuTh 9:30am - 10:45am	Seats (Total: 25) WDS 1130
0201	yh Patt TuTh 12:30pm - 1:45pm	Seats (Total: 25) HBK 0302H

0301	Katie White TuTh 11:00am - 12:15pm	Seats (Total: 25) KEY 0103	
0401	yh Patt TuTh 2:00pm - 3:15pm	Seats (Total: 25) HBK 0302H	

WMST212 **Women in Western Europe 1750-Present**

WMST212 Women in Western Europe 1750-Present; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - History and Social Sciences; Diversity - Understanding Plural Societies.
Also offered as: HIST212. Credit only granted for: HIST212 or WMST212. An analysis of the economic, family, and political roles of European women from 1750 to the present. The effects of industrialization on women's work and status, the demographic parameters of women's lives, and women's participation in political events from market riots to suffrage struggles.

0101	Gay Gullickson TuTh 11:00am - 11:50am Th 2:00pm - 2:50pm	Seats (Total: 20) KEY 0102 JMZ 0103	 Discussion
0102	Gay Gullickson TuTh 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 20) KEY 0102 TLF 1103	 Discussion
0103	Gay Gullickson TuTh 11:00am - 11:50am F 1:00pm - 1:50pm	Seats (Total: 20) KEY 0102 WDS 0104	 Discussion
0104	Gay Gullickson TuTh 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 20) KEY 0102 WDS 1131	 Discussion

WMST250 **Introduction to Women's Studies: Women, Art and Culture**

WMST250 Introduction to Women's Studies: Women, Art and Culture; (3 credits)
Grade Method: REG/P-F/AUD. CORE History or Theory of Arts (HA) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - Humanities; Diversity - Understanding Plural Societies.
An examination of women's creative powers as expressed in selected examples of music, film, art, drama, poetry, fiction, and other literature. Explores women's creativity in relation to families, religion, education, ethnicity, class, sexuality, and within a cultural tradition shaped by women.

0101	Yuenmei Wong TuTh 9:30am - 10:45am	Seats (Total: 25) HBK 1112
0201	Yuenmei Wong TuTh 12:30pm - 1:45pm	Seats (Total: 25) ARM 0119
0301	Lara Torsky TuTh 12:30pm - 1:45pm	Seats (Total: 25) WDS 0104
0401	Lara Torsky TuTh 2:00pm - 3:15pm	Seats (Total: 25) WDS 1130
0501	Renina Jarmon TuTh 11:00am - 12:15pm	Seats (Total: 25) WDS 1130
0601	Renina Jarmon TuTh 2:00pm - 3:15pm	Seats (Total: 23) JMZ 2207
0701	Michele Prince MWF 10:00am - 10:50am	Seats (Total: 25) TYD 1132
0801	Melissa Rogers MWF 11:00am - 11:50am	Seats (Total: 25) WDS 0104
0901	Jessica Vooris MWF 12:00pm - 12:50pm	Seats (Total: 25) WDS 1114
1001	Ana Perez TuTh 12:30pm - 1:45pm	Seats (Total: 25) TYD 1108
1101	Catherine Schuler TuTh 12:30pm - 1:45pm	Seats (Total: 25) EGR 3102

FC01	Julie Enszer MW 7:30pm - 8:45pm *Restricted to students in Freshmen Connection.*	Seats (Total: 18) WDS 1130
FC02	Julie Enszer MW 3:00pm - 4:15pm *Restricted to students in Freshmen Connection.*	Seats (Total: 18) WDS 1130

WMST255 **Reading Women Writing**

WMST255 Reading Women Writing; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - Humanities; Diversity - Understanding Plural Societies.
Also offered as: ENGL250. Credit only granted for: WMST255 or ENGL250. Images of women in literature by and about women.

0101	Jennifer Wellman MW 12:00pm - 1:15pm	Seats (Total: 30) ASY 3203
0201	Christin Taylor TuTh 12:30pm - 1:45pm	Seats (Total: 30) SQH 1105

WMST263 **Introduction to Black Women's Studies**

WMST263 Introduction to Black Women's Studies; (3 credits) Grade Method: REG/P-F/AUD.
Credit only granted for: WMST298A, AASP298I, or AASP298S. Formerly: WMST298A. Interdisciplinary exploration of Black women, culture and society in the United States. Drawn primarily from the social sciences and history with complementary material from literature and the arts.

0101	Augusta Bolles MW 2:00pm - 3:15pm	Seats (Total: 30) HJP 1125

WMST269G **Special Topics in Study Abroad II; Topics on Gender Studies**
Contact department for information to register for this course.

WMST269I **Special Topics in Study Abroad II; Social Problems: Women's Issues (In Indian Society)**
Contact department for information to register for this course.

WMST269W **Special Topics in Study Abroad II; Social Problems: Women's Issues Field Study**
Contact department for information to register for this course.

WMST275 **World Literature by Women**

WMST275 World Literature by Women; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - Humanities; Diversity - Understanding Plural Societies.
Also offered as: CMLT275. Credit only granted for: WMST275 or CMLT275.
Comparative study of selected works by women writers of several countries, exploring points of intersection and divergence in women's literary representations.

0201	Ellen Moll MW 2:00pm - 3:15pm	Seats (Total: 30) SQH 1103	
0301	Jeremy Metz TuTh 12:30pm - 1:45pm	Seats (Total: 30) SQH 1103	
0401	Liora Moriel TuTh 2:00pm - 3:15pm	Seats (Total: 30) HBK 0302J	

WMST298D **Women's Bodies in Contention**

WMST298D Women's Bodies in Contention; (3 credits) Grade Method: REG/P-F/AUD. CORE History or Theory of Arts (HA) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - History and Social Sciences; Diversity - Understanding Plural Societies; Signature Courses - I-Series.

0101	Deborah Rosenfelt Tu 2:00pm - 3:40pm Th 2:00pm - 2:50pm	Seats (Total: 15) SQH 1119 JMZ 2120	 Discussion
0102	Deborah Rosenfelt Tu 2:00pm - 3:40pm F 10:00am - 10:50am	Seats (Total: 15) SQH 1119 MMH 1304	 Discussion
0103	Deborah Rosenfelt Tu 2:00pm - 3:40pm Th 2:00pm - 2:50pm	Seats (Total: 15) SQH 1119 JMZ 1224	 Discussion

0104	Deborah Rosenfelt	Seats (Total: 15)	
	Tu 2:00pm - 3:40pm	SQH 1119	
	F 11:00am - 11:50am	MTH 0405	Discussion

WMST300 **Feminist Reconceptualizations of Knowledge**

WMST300 *(PermReq)* **Feminist Reconceptualizations of Knowledge; (3 credits)** Grade Method: REG/P-F/AUD.
Restriction: Permission of ARHU-Women's Studies department; and must be in Women's Studies program. An examination of how the interdisciplinary study of women and gender has generated new questions, challenged traditional methodologies and offered insights on the ways we come to learn, know, and teach. Explores the impact of feminist thinking on various disciplines.

0101	Katie King	Seats (Total: 20)	
	TuTh 11:00am - 12:15pm	WDS 1114	

WMST314 **Black Women in United States History**

WMST314 Black Women in United States History; (3 credits) Grade Method: REG/P-F/AUD.
Restriction: Sophomore standing or higher. Also offered as: AASP313. Credit only granted for: AASP313, AASP498W, HIST329E, WMST314, or WMST498N. Formerly: WMST498N. Black American women's history from slavery to the present. Focused on gaining a fuller understanding of the effect of race, class and gender on the life cycles and multiple roles of Black women as mothers, daughters, wives, workers and social-change agents.

0101	Elsa Barkley Brown	Seats (Total: 35)	
	W 5:30pm - 8:00pm	KEY 0116	

WMST325 **The Sociology of Gender**

WMST325 The Sociology of Gender; (3 credits) Grade Method: REG/AUD. CORE Diversity (D) Course.
Prerequisite: 3 credits in SOCY courses. Also offered as: SOCY325. Credit only granted for: SOCY325 or WMST325. Institutional bases of gender roles and gender inequality, cultural perspectives on gender, gender socialization, feminism, and gender-role change. Emphasis on contemporary American society.

0101	Zachary Richer MWF 11:00am - 11:50am	Seats (Total: 60) ASY 1213
0201	Amy Baxter MWF 10:00am - 10:50am	Seats (Total: 60) ASY 1213
0301	Michelle Sandhoff MWF 12:00pm - 12:50pm	Seats (Total: 60) ASY 1213
0401	Mehmet Ergun TuTh 2:00pm - 3:15pm	Seats (Total: 60) ASY 2309
0501	Nihal Celik TuTh 8:00am - 9:15am	Seats (Total: 47) EDU 1121

WMST336 **Psychology of Women**

WMST336 Psychology of Women; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course. GenEd: Distributive Studies - History and Social Sciences. *Prerequisite: PSYC100. Also offered as: PSYC336. Credit only granted for: PSYC336 or WMST336.* A study of the biology, life span development, socialization, personality, mental health, and special issues of women. Restricted to undergraduate PSYC students or WMST students only.

0201	Sarah Piontkowski MW 5:00pm - 6:15pm	Seats (Total: 110) BPS 1243

WMST348A **Literary Works by Women; Gender, Race, and Class in British and American Narratives (1680-1930)**

WMST348A Literary Works by Women: Gender, Race, and Class in British and American Narratives (1680-1930); (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Also offered as WMST348A. Prerequisite: two lower-level English courses, at least one in literature; or permission of department. Credit will be granted for only one of the following: ENGL348A or WMST348A.

0101	Carla Peterson TuTh 3:30pm - 4:45pm	Seats (Total: 30) TWS 1106

WMST348F **Literary Works by Women; Women on the Frontier**

WMST348F Literary Works by Women: Women on the Frontier; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Also offered as ENGL348F. Prerequisite: two lower-level English courses, at least one in literature; or permission of the department.

0101	Leigh Ryan	Seats (Total: 30)
	TuTh 9:30am - 10:45am	TWS 1107

WMST369G **Special Topics in Study Abroad III; Gender and Post Socialist Transformation in Central Europe**
Contact department for information to register for this course.

WMST386 **Experiential Learning**

WMST386 *(PermReq)* **Experiential Learning; (1-6 credits)** Grade Method: REG/P-F. *Restriction: Must have Learning Proposal approved by Women's Studies Academic Advisor; and Junior standing or higher.*

0101	Augusta Bolles	Seats (Total: 8)
	Contact instructor or department for details.	

WMST400 **Theories of Feminism**

WMST400 Theories of Feminism; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: 1 course in WMST; or Must have completed a course cross-listed with a WMST course.* A study of the multiplicity of feminist theories which have been developed to explain women's position in the family, the workplace, and society. Major feminist writings are considered in the context of their historical moment and in the context of the intellectual traditions to which they relate.

0101	Tara Rodgers	Seats (Total: 30)
	TuTh 12:30pm - 1:45pm	SQH 1121

WMST408B **Literature by Women Before 1800; The Battle of the Sexes**

WMST408B Literature by Women Before 1800: The Battle of the Sexes; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as ENGL408B.

0101	Kimberly Coles TuTh 12:30pm - 1:45pm	Seats (Total: 25) TWS 0205

WMST444 **Feminist Critical Theory**

WMST444 Feminist Critical Theory; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: WMST200, WMST250, or ENGL250. Also offered as: ENGL444. Credit only granted for: ENGL444 or WMST444.* Issues in contemporary feminist thought that have particular relevance to textual studies, such as theories of language, literature, culture, interpretation, and identity.

0101	Jessica Enoch MW 12:30pm - 1:45pm	Seats (Total: 25) TWS 0205

WMST452 **Women in the Media**

WMST452 Women in the Media; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course. GenEd: Diversity - Understanding Plural Societies.
Also offered as: JOUR452. Credit only granted for: JOUR452 or WMST452. Participation and portrayal of women in the mass media from colonial to contemporary times.

0101	Carol Rogers TuTh 3:30pm - 4:45pm	Seats (Total: 20) KNI 1206

WMST453 **Victorian Women in England, France, and the United States**

WMST453 Victorian Women in England, France, and the United States; (3 credits) Grade Method: REG. CORE Diversity (D) Course.
Also offered as: HIST493. Credit only granted for: HIST493 or WMST453. Examines the lives of middle and upper-class women in England, France, and the United States during the Victorian era. Topics include gender roles, work, domesticity, marriage, sexuality, double standards and women's rights.

0101	Gay Gullickson TuTh 3:30pm - 4:45pm	Seats (Total: 20) KEY 2120

WMST456 **Women and Society in the Middle East**

WMST456 Women and Society in the Middle East; (3 credits) Grade Method: REG/P-F/AUD.
Recommended: Prior coursework in Middle East studies or gender studies. Also offered as: HIST492. Credit only granted for: HIST492 or WMST456. Examines the customs, values and institutions that have shaped women's experience in the Middle East in the past and in the contemporary Middle East.

0101	Madeline Zilfi Tu 2:00pm - 4:00pm Contact instructor or department for details.	Seats (Total: 15) TLF 2103

WMST471 **Women's Health**

WMST471 Women's Health; (3 credits) Grade Method: REG/AUD. CORE Diversity (D) Course.
Also offered as: HLTH471. Credit only granted for: HLTH471 or WMST471. The women's health movement from the perspective of consumerism and feminism. The physician-patient relationship in the gynecological and other medical settings. The gynecological exam, gynecological problems, contraception, abortion, pregnancy, breast and cervical cancer and surgical procedures. Psychological aspects of gynecological concerns.

0101	Allison Bayley MWF 9:00am - 9:50am	Seats (Total: 200) SPH 1312

WMST488J **Senior Seminar; Queering Citizenship in The Global South**

WMST488J Senior Seminar: Queering Citizenship in The Global South; (3 credits) Grade Method: REG/P-F/AUD.

0101	Michelle Rowley Th 3:00pm - 5:30pm	Seats (Total: 15) HBK 1112

WMST498A **Advanced Special Topics in Women's Studies; Community Interventions: Domestic Violence**

WMST498A Advanced Special Topics in Women's Studies: Community Interventions: Domestic Violence; (3 credits) Grade Method: REG/P-F/AUD.

0101	Karen O'Brien MW 8:00am - 9:15am	Seats (Total: 35) BPS 1124

WMST498C **Advanced Special Topics in Women's Studies; Lady Gaga, Beyonce, and Nicki Minaj: Gender and Spectacular Consumption**

WMST498C Advanced Special Topics in Women's Studies: Lady Gaga, Beyonce, and Nicki Minaj: Gender and Spectacular Consumption; (3 credits) Grade Method: REG/P-F/AUD.

0101	Jeffrey McCune Jr. TuTh 12:30pm - 1:45pm	Seats (Total: 35) TYD 2106

WMST498D **Advanced Special Topics in Women's Studies; The History of Drag**

WMST498D Advanced Special Topics in Women's Studies: The History of Drag; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Diversity - Understanding Plural Societies.
Also offered as LGBT448D and WMST698D. Credit will be granted for one of the following: LGBT448D, WMST498D, or WMST698D.

0101	Catherine Schuler Th 4:00pm - 6:30pm	Seats (Total: 35) KEY 0126

WMST498E **Advanced Special Topics in Women's Studies; Women as Portrayed in Israeli Film, Literature and Art**

WMST498E Advanced Special Topics in Women's Studies: Women as Portrayed in Israeli Film, Literature and Art; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as ISRL349F. An examination of women as they are reflected in art, film and literature created in Israel since the beginning of the twentieth century.

0101	Pnina Peri MW 2:00pm - 3:15pm	Seats (Total: 40) HBK 0115

WMST498H **Advanced Special Topics in Women's Studies**

WMST498H Advanced Special Topics in Women's Studies; (1-3 credits) Grade Method: REG/P-F/AUD.

0101	Deborah Rosenfelt Contact instructor or department for details.	Seats (Total: 1)

WMST498I **Advanced Special Topics in Women's Studies; Asian American Women and Gender**

WMST498I Advanced Special Topics in Women's Studies: Asian American Women and Gender; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as AAST498G. The intersection of gender, sexuality, and race in the lives of Asian American men and women from the late nineteenth century to the present. Topics surveyed include migration and diaspora, empire and nationalism, family and community, Asian American masculinity and feminism, and gay and lesbian experiences. Weekly discussions and biweekly essay assignments will emphasize how encounters between diverse racial groups, in both domestic and international settings, structured gender relations as well as the role of the federal government and the media in defining those relations. Course readings will draw on a variety of disciplines with a special attention to how race and sexual orientation become interwoven aspects of Asian American experience and identity formation.

0101	Shuji Otsuka	Seats (Total: 25)
	MW 12:30pm - 1:45pm	SQH 1105

WMST498O **Advanced Special Topics in Women's Studies; Women Filmmakers**

WMST498O Advanced Special Topics in Women's Studies: Women Filmmakers; (3 credits) Grade Method: REG/P-F/AUD.
Students who took WMST298E in the Fall of 2010 or 2011 will not be given credit for WMST498O.

0101	Elsa Barkley Brown	Seats (Total: 35)
	MW 10:00am - 11:50am	HBK 0302H

WMST498R **Advanced Special Topics in Women's Studies; Women and Rhetoric in U.S. Literature**

WMST498R Advanced Special Topics in Women's Studies: Women and Rhetoric in U.S. Literature; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as ENGL489R. Credit will be granted for only one of the following: ENGL489R or WMST498R.

0101	Shirley Logan	Seats (Total: 25)
	MW 11:00am - 12:15pm	TWS 1107

WMST498Y **Advanced Special Topics in Women's Studies; Directed Readings in African-American Studies: Gender and Family in African and African-American Contexts**

WMST498Y Advanced Special Topics in Women's Studies: Directed Readings in African-American Studies: Gender and Family in African and African-American Contexts; (3 credits) Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - History and Social Sciences.
Also offered as AASP400. Credit will be granted for one of the following: AASP400, AASP400H, or WMST498Y.

0101	Sangeetha Madhavan	Seats (Total: 25)
	W 3:00pm - 5:30pm	WDS 1114

WMST499 **Independent Study**

WMST499 *(PermReq)* **Independent Study; (1-3 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

WMST601 **Approaches to Women's Studies I**

WMST601 *(PermReq)* **Approaches to Women's Studies I; (3 credits)** Grade Method: REG.
Prerequisite: WMST400; or students who have taken courses with similar or comparable course content may contact the department. Examines two fundamental concepts in women's studies: intersectionality and interdisciplinarity. Looks at how feminisms have shaped and been shaped by knowledge-production within and across disciplinary boundaries, cultures, and paradigms. Develops an appreciation of intersectional theory as a critical research tool and as a set of responses to issues of power, domination, oppression and other loci of difference.

0101	Katie King	Seats (Total: 15)
	Tu 4:00pm - 6:30pm	WDS 2101R

WMST618 **Feminist Pedagogy**

WMST618 *(PermReq)* **Feminist Pedagogy; (3 credits)** Grade Method: REG. Prerequisite: permission of department. For WMST major onlys.

0101	Deborah Rosenfelt	Seats (Total: 4)
	TBA	WDS 1127

WMST619 **Women's Studies Teaching Practicum**

WMST619 *(PermReq)* **Women's Studies Teaching Practicum; (1 credit)** Grade Method: REG.
Prerequisite: permission of department. For WMST majors only.

0101	Seung-Kyung Kim	Seats (Total: 10)
	Contact instructor or department for details.	

WMST628 **Women's Studies Colloquium**

WMST628 *(PermReq)* **Women's Studies Colloquium; (1 credit)** Grade Method: S-F.

0101	Michelle Rowley	Seats (Total: 18)
	Contact instructor or department for details.	

WMST698D **Special Topics in Women's Studies; The History of Drag**

WMST698D Special Topics in Women's Studies: The History of Drag; (3 credits) Grade Method: REG/AUD.
Also offered as LGBT448D and WMST498D. Credit will be granted for one of the following: LGBT448D, WMST498D, or WMST698D.

0101	Catherine Schuler	Seats (Total: 35)
	Th 4:00pm - 6:30pm	KEY 0126

WMST699 **Independent Study**

WMST699 *(PermReq)* **Independent Study; (1-3 credits)** Grade Method: REG/AUD.
Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

WMST709 **Directed Independent Reading for Major Field Exam**

WMST709 *(PermReq)* **Directed Independent Reading for Major Field Exam; (1-4 credits)** Grade Method: S-F.

0101	Elsa Barkley Brown	Seats (Total: 2)
	Contact instructor or department for details.	

0401	Seung-Kyung Kim Contact instructor or department for details.	Seats (Total: 2)
0501	Katie King Contact instructor or department for details.	Seats (Total: 2)
0601	Jeffrey McCune Jr. Contact instructor or department for details.	Seats (Total: 2)
0701	Deborah Rosenfelt Contact instructor or department for details.	Seats (Total: 2)

WMST799 **Masters Thesis Research**

WMST799 *(PermReq)* **Masters Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

WMST898 **Pre-Candidacy Research**

WMST898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

WMST899 **Doctoral Dissertation Research**

WMST899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.